



**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

<b>Vendor Address</b>		<b>Information</b>	
Vendor Address Number 116458		Purchase Order Number/Date	4500230687-0 / 12/16/2015
WEST PUBLISHING CORPORATION		CoH Vendor Number	116458
DBA THOMSON REUTERS-WEST OR WEST, A		Page	1 of 2
610 OPPERMAN DRIVE		Buyer's Name	Diana Gonzalez 114
EAGAN MN 55123		Buyer's Telephone Number	713-308-1706
<b>Mail Invoice to</b>		Buyer's Fax Number	713-308-1742
COH POLICE DEPARTMENT		Buyer's E-mail Address	Diana.GonzalezdeRios@HoustonPolice.Org
BUDG-FIN-ACCTS PAY		<b>CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER</b>	
1200 TRAVIS, 17TH FLOOR			
HOUSTON TX 77002			

<b>Shipping Address</b>	HOUSTON POLICE DEPARTMENT COMPUTER SERVICES PATRICIA CHEESMAN 33 ARTESIAN HOUSTON TX 77002	
<b>Terms of payment :</b>	Pay net 30 w/o deduction	Currency USD
<b>Shipping Terms</b>	FOB(Free on board) /DESTINATION	
<b>Your person responsible:</b>	ELLEN GILLESPIE	
<b>Your reference:</b>	E24811	
GL: 520107 CC: 1000010057 FUND: 1000		
*****		
CONTACT PERSON: ALVINA MCCARTY 713-247-8507		
REQUISITIONER: PEGGY SAPPINGTON 713-247-5182		

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	20857 LAW ENFORCEMENT SOFT Clear Services Release Order against contract 4600012388 Item 00010 THE CONTRACT STATES THAT DURING PERIOD 12/1/2015 - 11/30/2016 THE PRICE PER MONTH IS \$7,948.00.  ITSM #472708 THIS IS FOR TECH SVCS	95,376.00 / AU	95,376.00
Gross Price			95,376.00 USD	1 AU	95,376.00
The item covers the following services:					
10 CLEAR SERVICES 12/1/			12.000 AU	7,948.00	95,376.00
<b>Delivery Date: 12/31/2015</b>					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500230687 -0 / 12/16/2015 Page 2 of 2

Total \*\*\*\*

USD 95,376.00

**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor

Purchasing Agent

Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

<b>Vendor Address</b> Vendor Address Number 116458 WEST PUBLISHING CORPORATION DBA WEST - A THOMSON REUTERS 610 OPPERMAN DRIVE EAGAN MN 55123	<b>Information</b> Purchase Order Number/Date 4500210768-0 / 01/15/2015 CoH Vendor Number 116458 Page 1 of 2 Buyer's Name Diana Gonzalez 114 Buyer's Telephone Number 713-308-1706 Buyer's Fax Number 713-308-1742 Buyer's E-mail Address Diana.GonzalezdeRios@HoustonPolice.Org
<b>Mail Invoice to</b> COH POLICE DEPARTMENT BUDG-FIN-ACCTS PAY 1200 TRAVIS, 17TH FLOOR HOUSTON TX 77002	CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

<b>Shipping Address</b>  <b>Terms of payment :</b> <b>Shipping Terms</b> <b>Your person responsible:</b> <b>Your reference:</b> GL: 520107 CC: 1000010057 FUND: 1000 ***** CONTACT PERSON: PAT CHEESMAN 713-247-8545 / ALVINA MCCARTY 713-247-8507 REQUISITIONER: PEGGY SAPPINGTON 713-247-5182	HOUSTON POLICE DEPARTMENT COMPUTER SERVICES PATRICIA CHEESMAN 33 ARTESIAN HOUSTON TX 77002  Pay net 30 w/o deduction FOB(Free on board) /DESTINATION ELLEN GILLESPIE E24811  Currency USD
--	--

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	20857 LAW ENFORCEMENT SOFT CLEAR SERVICES Release Order against contract 4600012388 Item 00010 THE CONTRACT STATES THAT DURING PERIOD 12/1/2014 - 11/30/2015 THE PRICE PER MONTH IS \$7,716.	92,592.00 / AU	92,592.00
Gross Price			ITSM #472708 THIS IS FOR TECH SVCS 92,592.00 USD 1 AU	1.000	92,592.00
10 CLEAR SERVICES			The item covers the following services: 12.000 AU 7,716.00 92,592.00		
<b>Delivery Date: 01/26/2015</b>					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500210768 -0 / 01/15/2015 Page 2 of 2

Total \*\*\*\*

USD 92,592.00

The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor

Purchasing Agent

Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

<b>Vendor Address</b> Vendor Address Number 116458 WEST PUBLISHING CORPORATION DBA WEST - A THOMSON REUTERS 610 OPPERMAN DRIVE EAGAN MN 55123	<b>Information</b> Purchase Order Number/Date 4500196915-0 / 03/28/2014 CoH Vendor Number 116458 Page 1 of 2 Buyer's Name Mary Olvera 101 Buyer's Telephone Number 713-308-1767 Buyer's Fax Number 713-308-1742 Buyer's E-mail Address mary.olvera@houstonpolice.org
<b>Mail Invoice to</b> COH POLICE DEPARTMENT BUDG-FIN-ACCTS PAY 1200 TRAVIS, 17TH FLOOR HOUSTON TX 77002	<b>CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER TO BUYER'S E-MAIL ADDRESS</b>

<b>Shipping Address</b>	HOUSTON POLICE DEPARTMENT COMPUTER SERVICES 33 ARTESIAN HOUSTON TX 77002 USA	
<b>Terms of payment :</b>	Pay net 30 w/o deduction	Currency USD
<b>Shipping Terms</b>	FOB(Free on board) /DESTINATION	
<b>Your person responsible:</b>	ELLEN GILLESPIE	
<b>Your reference:</b>	E24811	
PR 10180152		
FUND 1000 CC 1000010057 G/L 520107 *****		
CONTACT PERSON ALVINA MCCARTY 713-247-8507 PAT CHEESMAN 713-247-8545 *****		
REQUISTIONER PEGGY SAPPINGTON 713-247-5182		

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	20857 LAW ENFORCEMENT SOFT CLEAR Services Release Order against contract 4600012388 Item 00010 This is for the procurement of CLEAR Services for the Houston Police Department	89,892.00 / AU	89,892.00
THIS IS A CONTRACT WITH WEST PUBLISHING FOR DECEMBER 1, 2013 THROUGH NOVEMEBER					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500196915 -0 / 03/28/2014 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
			31,2014		
			ITSM #437604		
Gross Price			89,892.00 USD	1 AU	89,892.00
			The item covers the following services:		
10 CLEAR Services for P			12.000 MON 7,491.00	89,892.00	
			Delivery Date: 04/30/2014		
Total ****				USD	89,892.00

The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor

Purchasing Agent

Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

**Vendor Address**

Vendor Address Number 148250  
ALLIED ASSOCIATES INTERNATIONAL INC  
8078 CRESCENT PARK DRIVE  
GAINESVILLE VA 20155  
USA

**Mail Invoice to**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500229028-0 / 11/04/2015  
CoH Vendor Number 148250  
Page 1 of 2  
Buyer's Name Mary Olvera 101  
Buyer's Telephone Number 713-308-1767  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER  
TO BUYER'S E-MAIL ADDRESS

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
ALVINA MCCARTY  
33 ARTESIAN  
HOUSTON TX 77002

**Terms of payment :**

Pay immediately w/o deduction

Currency USD

**Shipping Terms**

FOB(Free on board) /DESTINATION

**Your person responsible:** RUSS JENSEN

PR 10210639 FUND 5030 CC 5000010001 ORDER NUMBER V50000024-15 G/L 511045

CONTACT PERSON ALVINA MCCARTY 713-8507-REQUISITIONER ANITA KHAMBHATI 713-247-5551

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	2.00	EA	10014587 SOFTWARE, MICRO-TECH Int. Article No. 20453362004 Make ALLIED ASSOCIATES Model SOCIOSPYDER  LN-10 USER LICENSE FOR THE INSTALLATION OF SOCIOSPYDER ONTO A STAND ALONE PC. THE LICENSE COVERS UPDATES AND NEW MODIFICATIONS FOR UP TO ONE YEAR FOR THE TWO LICENSES.  ***** SEE ATTACHED QUOTE ID: 222 FOR MORE DETAIL *****  INCIDENT# 492524 FOR: [REDACTED]  COMPUTER HARDWARE AND PERIPHERALS FOR MICROCOMPUTERS Microcomputers, Desktop or Tower based MICROCOMPUTER (PC), ACCESSORIES, PERIPHERALS, AND SOFTWARE AS SPECIFIED IN THE IFB AND ANY SUBSEQUENT ADDENDAS	2,499.00 / EA	4,998.00





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

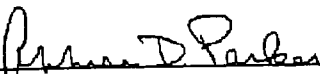
PO number/date 4500229028 -0 / 11/04/2015 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
			MICRO-TECH SOFTWARE		
Gross Price			2,499.00 USD	1 EA	2.000 4,998.00
Delivery Date: 11/30/2015					
Total ****				USD	4,998.00

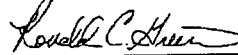
**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

  
Mayor

  
Purchasing Agent

  
Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

<b>Vendor Address</b> Vendor Address Number 142493 GEOFEEDIA INC 444 NORTH WELLS ST SUITE 502 CHICAGO IL 60654 USA	<b>Information</b> Purchase Order Number/Date 4500236773-0 / 05/10/2016 CoH Vendor Number 142493 Page 1 of 2 Buyer's Name Mary Olvera 101 Buyer's Telephone Number 713-308-1767 Buyer's Fax Number 713-308-1742 Buyer's E-mail Address mary.olvera@houstonpolice.org
<b>Mail Invoice to</b> COH POLICE DEPARTMENT BUDG-FIN-ACCTS PAY 1200 TRAVIS, 17TH FLOOR HOUSTON TX 77002	<b>CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER TO BUYER'S E-MAIL ADDRESS</b>

**Shipping Address** HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
ALVINA MCCARTY  
33 ARTESIAN  
HOUSTON TX 77002

**Terms of payment :** Pay immediately w/o deduction Currency USD

**Shipping Terms** FOB(Free on board) /DESTINATION

**Your person responsible:** JOSH VERVACK

PR 10217633/ DATA SUBSCRIPTION  
HSGP: GRANT NO.: 50000024-2016 - INTERNAL ORDER: Q50000024-16  
HRISC SOFTWARE APPLICATION & MAINTENANCE SUPPORT-GEOFEEDIA RENEWAL  
PRIMARY CONTACT: [REDACTED]

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT GEOFEEDIA ANNUAL SUBSCRIPTION LN-10 GEOFEEDIA PROFESSIONAL EDITION SERVICE PACKAGE CONTRACT EXPIRES 05/03/2017  ***** SEE ATTACHED FOR MORE DETAIL *****  INCIDENT# FOR: CID - FUSION CENTER	12,000.00 / AU	12,000.00
Gross Price			12,000.00 USD	1 AU	1.000 12,000.00
The item covers the following services:					
10 ANNUAL SUBSCRIPTION	1.000	AU	12,000.00	12,000.00	
Delivery Date: 06/06/2016					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500236773 -0 / 05/10/2016 Page 2 of 2

Total \*\*\*\*

USD 12,000.00

The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor

Purchasing Agent

Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

**Change to  
PURCHASE ORDER**

**Vendor Address**

Vendor Address Number 113834  
WEST PUBLISHING COMPANY  
P.O. Box 6292  
CAROL STREAM IL 60197  
USA

**Mail Invoice to**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500232254-1 / 01/27/2016  
CoH Vendor Number 113834  
Page 1 of 2  
Buyer's Name Mary Olvera 101  
Buyer's Telephone Number 713-308-1767  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER  
TO BUYER'S E-MAIL ADDRESS

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
[REDACTED]  
1200 TRAVIS, 16TH FLOOR  
HOUSTON TX 77002

**Terms of payment :**

Pay net 30 w/o deduction

Currency USD

**Shipping Terms**

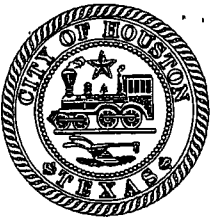
FOB(Free on board) /DESTINATION

PR 10213737 FUND 1000 CC 1000010003 G/L 520108

CONTACT [REDACTED]

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	91573 PUB INFO SER PRESS MONTHLY ONLINE ACCESS FOR LEGAL RESEARCH  Monthly online access for legal research 12 months of access from January-December 2016 at \$2,006.55 per month Total \$24,078.60  Reference account # 1000719634 Houston Police Dept Legal Services Order ID 505860  (WestlawNex ) (banded) material ID 40988738 Gov Build Your Own 601817T93853 Program codes 601817T93853	24,078.60 / AU	24,078.60
Gross Price			24,078.60 USD	1 AU	24,078.60
*** Delivery date changed ***					
*** Item partially delivered ***					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

**Change to  
PURCHASE ORDER**

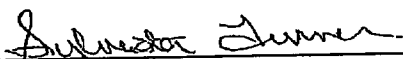
PO number/date 4500232254 -1 / 01/27/2016 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
<b>Delivery Date: 12/31/2016</b>					
20	1.00	AU	91573 PUB INFO SER PRESS MONTHLY ONLINE ACCESS Monthly publication print service for legal research 12 months of print service from January-December 2016 at \$431.00 per month Total \$5,172.00  Material ID 40666420 Program Details GO Wp to WCMP 601817076373 Program codes 601817076373	5,172.00 / AU	5,172.00
Gross Price			5,172.00 USD	1 AU	5,172.00
*** Delivery date changed ***					
*** Item partially delivered ***					
<b>Delivery Date: 12/31/2016</b>					
<b>Total ****</b>					<b>USD 29,250.60</b>

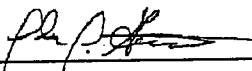
**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

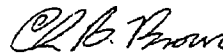
I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.



Mayor



Chief Procurement Officer



Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

**Vendor Address**

Vendor Address Number 142493  
GEOFEEDIA INC  
820 DAVIS STREET  
EVANSTON IL 60201  
USA

**Mail Invoice to**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500217920-0 / 05/17/2015  
CoH Vendor Number 142493  
Page 1 of 2  
Buyer's Name Mary Olvera 101  
Buyer's Telephone Number 713-308-1767  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER  
TO BUYER'S E-MAIL ADDRESS

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
ALVINA MCCARTY  
33 ARTESIAN  
HOUSTON TX 77002

**Terms of payment :**

Pay immediately w/o deduction

Currency USD

**Shipping Terms**

FOB(Free on board) /DESTINATION

**Your person responsible:** MICHAEL MULROY

SUBSCRIPTION FOR PUBLIC SAFETY  
PR 10203093

HSGP: GRANT NO.: 50000024-2015 - INTERNAL ORDER: U50000024-15  
HPD CIU UPGRADE-GEOFEEDIA MAINTENANCE SUPPORT (APRIL 2015 -2016)  
PRIMARY CONTACT [REDACTED]

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT GEOFEEDIA ANNUAL SUBSCRIPTION LN-10 GEOFEEDIA PROFESSIONAL EDITION SERVICE PACKAGE CONTRACT EXPIRES 05/03/2016  ***** SEE ATTACHED FOR MORE DETAIL *****  INCIDENT# 479638 FOR [REDACTED]	12,000.00 / AU	12,000.00
Gross Price			12,000.00 USD	1 AU	12,000.00
The item covers the following services:					
10 ANNUAL SUBSCRIPTION			1.000 AU	12,000.00	12,000.00





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500217920 -0 / 05/17/2015 Page 2 of 2

Delivery Date: 05/29/2015

Total \*\*\*\*

USD 12,000.00

**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor

Purchasing Agent

Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

**Vendor Address**  
Vendor Address Number 143802  
SNAP TRENDS INC  
8601 RANCH ROAD 2222 BUILDING 2 SUITE 150  
AUSTIN TX 78730  
USA

**Mail Invoice to**  
COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**  
Purchase Order Number/Date 4500231976-0 / 01/24/2016  
CoH Vendor Number 143802  
Page 1 of 2  
Buyer's Name Diana Gonzalez 114  
Buyer's Telephone Number 713-308-1706  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address Diana.GonzalezdeRios@HoustonPolice.Org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

**Shipping Address**  
HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
ALVINA MCCARTY  
33 ARTESIAN  
HOUSTON TX 77002

**Terms of payment.:** Pay immediately w/o deduction

Currency USD

**Shipping Terms** FOB(Free on board) /DESTINATION

**Your person responsible:** LINDSAY BURRIS

GL: 520107 CC: 5000010001 FUND: 5030

\*\*\*\*\*  
HSGP: Grant No. : 50000024-2016 Internal Order: Q50000024-16

HRISC FC Tech Expansion-SNAPTRENDS LICENSE SUBSCRIPTION 013116-013117  
\*\*\*\*\*

PRIMARY CONTACT: [REDACTED]

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT ANNUAL SOFTWARE SUBSCRIPTION - SNAPTREND LN-10 SNAP TRENDS LICENSE : 1 YEAR SUBSCRIPTION UP TO 6 USERS INCLUDES 1 ADMINISTRATOR SOFTWARE-AS-A-SERVICE  INCIDENT# 498695 FOR: [REDACTED]	19,800.00 / AU	19,800.00
Gross Price			19,800.00 USD	1.000	19,800.00
The item covers the following services:					
10 1 YEAR LICENSE SUBS	1.000	AU		19,800.00	19,800.00
Delivery Date: 02/15/2016					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500231976 -0 / 01/24/2016 Page 2 of 2

Total ****	USD 19,800.00
------------	---------------

**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

*Stephen Turner* *Calvin S. Wells*

Mayor

Purchasing Agent

*CLB. Brown*

Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

<b>Vendor Address</b> Vendor Address Number 143626 TLO LLC 4530 CONFERENCE WAY SOUTH BOCA RATON FL 33431 USA	<b>Information</b> Purchase Order Number/Date 4500226906-0 / 09/19/2015 CoH Vendor Number 143626 Page 1 of 2 Buyer's Name Mary Olvera 101 Buyer's Telephone Number 713-308-1767 Buyer's Fax Number 713-308-1742 Buyer's E-mail Address mary.olvera@houstonpolice.org
<b>Mail Invoice to</b> COH POLICE DEPARTMENT BUDG-FIN-ACCTS PAY 1200 TRAVIS, 17TH FLOOR HOUSTON TX 77002	<b>CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER TO BUYER'S E-MAIL ADDRESS</b>

<b>Shipping Address</b>	HOUSTON POLICE DEPARTMENT TECHNOLOGY SERVICES COMMAND ALVINA MCCARTY 33 ARTESIAN HOUSTON TX 77002	
<b>Terms of payment :</b>	Pay net 30 w/o deduction	Currency USD
<b>Shipping Terms</b>	FOB(Free on board) /DESTINATION	
<b>Your person responsible:</b>	TLO BILLING	
PR 10208885 FUND 1000 CC 1000010057 G/L 522430 CONTACT PERSON ALVINA MCCARTY 713-247-8507 ANITA KHAMBHATI 713-247-5551		

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT ONLINE INVESTIGATIVE SERVICES LN-10 ONLINE INVESTIGATIVE SERVICES 8/1/2015 --- 8/01/2016  ***** SEE ATTACHED QUOTE FOR MORE DETAIL *****	25,200.00 / AU	25,200.00
Gross Price			25,200.00 USD	1 AU	1.000 25,200.00
			The item covers the following services:		
10 ONLINE INVESTIGATIVE			12.000 MON	2,100.00	25,200.00
			<b>Delivery Date:</b> 10/15/2015		
20	1.00	AU	92047 SUPPORT SVCS, COMPUT SEARCHES OUTSIDE OF AGREEMENT	3,539.75 / AU	3,539.75





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER


PO number/date 4500226906 -0 / 09/19/2015 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
LN-20 SEARCHES OUTSIDE OF AGREEMENT					
***** SEE ATTACHED QUOTE FOR MORE DETAIL *****					
INCIDENT# 490639					
[REDACTED]					
Gross Price	3,539.75	USD	1 AU	1.000	3,539.75
The item covers the following services:					
10 SEARCHES OUTSIDE OF	1.000	AU	3,539.75	3,539.75	
Delivery Date: 10/15/2015					
Total ****				USD	28,739.75

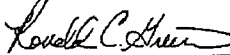
The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

  
Mayor

  
Purchasing Agent

  
Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

## PURCHASE ORDER

**Vendor Address**

Vendor Address Number 143802  
SNAP TRENDS INC  
8601 RANCH ROAD 2222 BUILDING 2 SUITE 150  
AUSTIN TX 78730  
USA

**Mail Invoice to**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500211619-0 / 02/05/2015  
CoH Vendor Number 143802  
Page 1 of 2  
Buyer's Name Mary Olvera 101  
Buyer's Telephone Number 713-308-1767  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER  
TO BUYER'S E-MAIL ADDRESS

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
ALVINA MCCARTY  
33 ARTESIAN  
HOUSTON TX 77002

**Terms of payment :**

Pay immediately w/o deduction

Currency USD

**Shipping Terms**

FOB(Free on board) /DESTINATION

**Your person responsible:** LINDSAY BURRIS

PR 10199269

HSGP: Grant No. : 50000024-2015 - Internal Order: U50000024-15  
HRISC FC Tech Expansion Project-1 YEAR SNAPTRENDS LICENSE SUBSCRIPTION  
PRIMARY CONTACT [REDACTED]

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT ANNUAL SOFTWARE SUBSCRIPTION - SNAPTREND LN-10 SNAP TRENDS LICENSE : 1 YEAR SUBSCRIPTION UP TO 6 USERS SOFTWARE-AS-A-SERVICE  ***** SEE ATTACHED SUBSCRIPTION NUMBER: 201401061871 *****  VENDOR: SNAPTRENDS VENDOR # 143802  INCIDENT# 473393	19,800.00 / AU	19,800.00
Gross Price			19,800.00 USD	1 AU	1.000 19,800.00
The item covers the following services:					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

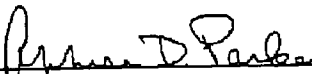
PO number/date 4500211619 -0 / 02/05/2015 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1 YEAR LICENSE SUBS	1.000 AU	19,800.00	19,800.00	
Delivery Date: 02/26/2015					
Total ****				USD	19,800.00

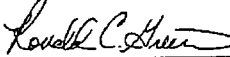
**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

  
Mayor

  
Purchasing Agent

  
Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

<b>Vendor Address</b>		<b>Information</b>	
Vendor Address Number 142493		Purchase Order Number/Date	4500213460-0 / 03/16/2015
GEOFEEDIA INC		CoH Vendor Number	142493
820 DAVIS STREET		Page	1 of 2
EVANSTON IL 60201		Buyer's Name	Mary Olvera 101
USA		Buyer's Telephone Number	713-308-1767
<b>Mail Invoice to</b>		Buyer's Fax Number	713-308-1742
COH POLICE DEPARTMENT		Buyer's E-mail Address	mary.olvera@houstonpolice.org
BUDG-FIN-ACCTS PAY		CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER TO BUYER'S E-MAIL ADDRESS	
1200 TRAVIS, 17TH FLOOR			
HOUSTON TX 77002			

<b>Shipping Address</b>	HOUSTON POLICE DEPARTMENT COMPUTER SERVICES PATRICIA CHEESMAN 33 ARTESIAN HOUSTON TX 77002	
<b>Terms of payment :</b>	Pay net 30 w/o deduction	Currency USD
<b>Shipping Terms</b>	FOB(Free on board) /DESTINATION	
<b>Your person responsible:</b>	MICHAEL MULROY	
PR 10201185		
FUND 1000 CC 1000010051 G/L 511150		
CONTACT PERSON ALVINA MCCARTY 713-247-8507 PAT CHEESMAN 713-247-8545		
REQUISITIONER IKUKO 713-247-8351		

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	EA	10049684	15,000.00 / EA	15,000.00
			LICENSE, SOFTWARE, GEO-SEARCH, LOCATION		
			Int. Article No. 20811495223		
			Make GOFEEEDIA Model SERCH AND MONITORE LICENSE		
			Geofeedia Geo search License , Monitored for One year		
			*****quote*****		
			Vendor 142493 geofeedia Inc. Ticket 475774		
			This is for Vice division		
			COMPUTER SOFTWARE FOR MICROCOMPUTERS(PREPROGRAMMED)		
			APPLICATION SOFTWARE,MICROCOMPUTER		
			LICENSE,APPLICATION SOFTWARE(MICROCOMPUTER)		
			GEO-SEARCH, LOCATION-BASED STREAMING, SEARCH, MONITORING, AND ANALYTICS,		
			SEARCH, MONITOR AND ANALYZE ALL SOCIAL MEDIA ACTIVITY		
Gross Price			15,000.00 USD	1 EA	1.000 15,000.00





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER


PO number/date 4500213460 -0 / 03/16/2015 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
Delivery Date: 04/10/2015					
Total ****				USD	15,000.00

The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

  
Mayor

  
Purchasing Agent

  
Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

**Vendor Address**

Vendor Address Number 143626  
TLO LLC  
4530 CONFERENCE WAY SOUTH  
BOCA RATON FL 33431  
USA

**Mail Invoice to**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500202787-0 / 07/21/2014  
CoH Vendor Number 143626  
Page 1 of 2  
Buyer's Name Mary Olvera 101  
Buyer's Telephone Number 713-308-1767  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER  
TO BUYER'S E-MAIL ADDRESS

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
33 ARTESIAN  
HOUSTON TX 77002  
USA

**Terms of payment :**

Pay net 30 w/o deduction

Currency USD

**Shipping Terms**

FOB(Free on board) /DESTINATION

**Your person responsible:** TLO BILLING

PR 10191416  
FUND 1000  
CC 1000010057  
G/L 522430

\*\*\*\*\*  
CONTACT PERSON ALVINA MCCARTY 713-247-8507, PAT CHEESMAN 713-247-8545  
REQUISITIONER ANITA K 713-247-5551

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT ONLINE INVESTIGATIVE SERVICES LN-10 ONLINE INVESTIGATIVE SERVICES 8/1/201 --- 8/01/2015  ***** SEE ATTACHED QUOTE FOR MORE DETAIL *****  INCIDENT# 459282 [REDACTED]	25,200.00 / AU	25,200.00
Gross Price			25,200.00 USD	1 AU	25,200.00
The item covers the following services:					
10 ONLINE INVESTIGATIVE		12.000 MON	2,100.00	25,200.00	





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

PO number/date 4500202787 -0 / 07/21/2014 Page 2 of 2

Delivery Date: 08/21/2014

Total \*\*\*\*

USD 25,200.00

**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.



Mayor

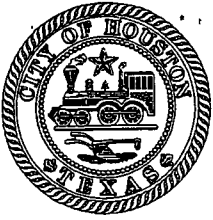


Purchasing Agent



Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

**Vendor Address**

Vendor Address Number 143802  
SNAP TRENDS INC  
8601 RANCH ROAD 2222 BUILDING 2 SUITE 150  
AUSTIN TX 78730  
USA

**Mail Invoice to**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500194502-0 / 02/06/2014  
CoH Vendor Number 143802  
Page 1 of 2  
Buyer's Name Elizabeth Fenton 113  
Buyer's Telephone Number 713-308-1786  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address elizabeth.fenton@houstonpolice.org

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
33 ARTESIAN  
HOUSTON TX 77002  
USA

**Terms of payment :**

Payable immediately Due net

Currency USD

**Shipping Terms**

FOB(Free on board) /DESTINATION

**Your person responsible:** LINDSAY BURRIS

HSGP: Grant No. : 50000024-2013 - Internal Order: T50000024-13  
HRISC FC Tech Expansion Project-1 YEAR SNAPTRENDS LICENSE SUBSCRIPTION  
PRIMARY CONTACT: [REDACTED]  
PAY TERM "0001 PAY IMMEDIATELY"

G/L: 520107  
CC: 5000010001  
Fund: 5030

PR: 10183033  
SUBSCRIPTION NUMBER: 201312181294

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT SNAP TRENDS SUBSCRIPTION LN-10 SNAP TRENDS LICENSE : 1 YEAR SUBSCRIPTION UP TO 6 USERS SOFTWARE-AS-A-SERVICE	19,800.00 / AU	19,800.00
***** SEE ATTACHED SUBSCRIPTION NUMBER: 201312181294 *****					
VENDOR: SNAPTRENDS VENDOR # 143802					





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER


PO number/date 4500194502 -0 / 02/06/2014 Page 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
			INCIDENT# 444466		
Gross Price			19,800.00 USD 1 AU	1.000	19,800.00
			The item covers the following services:		
10 SNAP TRENDS 1 YEAR L			1.000 AU 19,800.00		19,800.00
			Delivery Date: 02/21/2014		
Total ****				USD	19,800.00

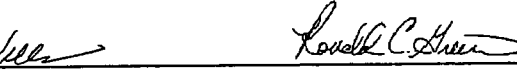
**The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.**

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

  
Mayor

  
Purchasing Agent

  
Controller





**CITY OF HOUSTON**  
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND  
DELIVERY CORRESPONDENCE

# PURCHASE ORDER

**Vendor Address**

Vendor Address Number 142493  
GEOFEEDIA INC  
820 DAVIS STREET  
EVANSTON IL 60201  
USA

**Mail Invoice to:**

COH POLICE DEPARTMENT  
BUDG-FIN-ACCTS PAY  
1200 TRAVIS, 17TH FLOOR  
HOUSTON TX 77002

**Information**

Purchase Order Number/Date 4500206378-0 / 09/30/2014  
CoH Vendor Number 142493  
Page 1 of 1  
Buyer's Name Elizabeth Fenton 113  
Buyer's Telephone Number 713-308-1786  
Buyer's Fax Number 713-308-1742  
Buyer's E-mail Address elizabeth.fenton@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

**Shipping Address**

HOUSTON POLICE DEPARTMENT  
TECHNOLOGY SERVICES COMMAND  
33 ARTESIAN  
HOUSTON TX 77002  
USA

**Terms of payment :**

Pay net 30 w/o deduction

Currency USD

**Shipping Terms**

FOB(Free on board) /DESTINATION

**Your person responsible:** MICHAEL MULROY

CONTACT PERSON: PAT CHEESMAN 713-247-8545 / ALVINA MCCARTY 713-247-8507


REQUISITIONER: ANITA KHAMBHATI 713-247-5551


Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU	92047 SUPPORT SVCS, COMPUT 1 YEAR TERM-ENTERPRISE LICENSE LN-10 1 YEAR TERM ENTERPRISE WEB BASE LICENSE INCLUDES: UNLIMITED USER LICENSES UNLIMITED RECORDED LOCATIONS UP TO 150,000 POSTS PER MONTH, UNLIMITED ALERTS  INCIDENT# 464493 [REDACTED]	12,000.00 / AU	12,000.00
Gross Price			12,000.00 USD	1 AU	12,000.00
The item covers the following services:					
10 1-YEAR TERM ENTERPRI	1.00	AU	12,000.00	12,000.00	
Delivery Date: 10/30/2014					
Total ****					USD 12,000.00

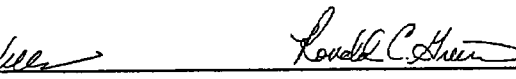
The Terms and Conditions specified on <http://purchasing.houstontx.gov> will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

  
Mayor

  
Purchasing Agent

  
Controller



FILE CLOSED

2003

DATE: 09/24/03 COP#2003-09978 ENTERED BY: mmedina

CATEGORY: OTH  
SUBJECT LINE 1: INTELICAST TARGET NOTIFICATION  
2: OVERVIEW, CAPABILITIES AND BENEFITS  
3: INTRADO INC. - LONGMONT, COLORADO  
4: EMERGENCY 5: TELEPHONE 6: BOOKLET

X-REFERENCE COP #(S): 02-5377

NOTES: 9-24-03 ORIG BOOKLET "INTELICAST TARGET NOTIFICATION" TO  
ADMIN. COORD. ML

SENT TO

DATE DUE

DATE RETURNED

FILE CLOSED



**intrado™**



*Informed Response.™*

## **intelliCast™** **Target Notification**

*Overview, Capabilities, and Benefits*



**intrado**



# Intrado™

*Informed Response.™*

COPY

## *intelliCast™* **Target Notification**

*Overview, Capabilities, and Benefits*

Position Papers

IntelliCast Target

Frequently Asked  
Questions

Success Stories

Reports



## **Table of Contents**

<b>INTRODUCTION.....</b>	<b>1</b>
<b>EXISTING ALTERNATIVES .....</b>	<b>2</b>
BROADCAST ANNOUNCEMENTS AND EAS .....	2
SIRENS .....	2
WEATHER ALERT RADIO .....	2
DOOR TO DOOR.....	2
ADDITIONAL COMMUNICATION DEVICES .....	2
<b>TELEPHONE NOTIFICATION: CRITICAL REQUIREMENTS .....</b>	<b>4</b>
MESSAGE DELIVERY .....	4
CORPORATE STABILITY.....	4
OPERATIONAL AND TECHNICAL SUPPORT.....	5
REDUNDANCY AND TESTING.....	5
DATA ACCURACY .....	5
GEOGRAPHIC CAPABILITIES. ....	6
SPEED .....	7
IMPORTANT QUESTIONS FOR POTENTIAL VENDORS.....	7
SUMMARY.....	8
<b>MORE INFORMATION .....</b>	<b>9</b>
<b>APPENDIX I: 9-1-1 DATA EXTRACTS FOR OUTBOUND EMERGENCY NOTIFICATION .....</b>	<b>10</b>
<b>APPENDIX II: NETWORK CONGESTION AND OUTBOUND NOTIFICATION.....</b>	<b>11</b>
<b>APPENDIX III: FUNCTION VS. FORM.....</b>	<b>13</b>



FILE CLOSED

2602

DATE: 11/19/02 COP#2002-95377 ENTERED BY: uvela

CATEGORY: OTH  
SUBJECT LINE 1: FUNDING ASSISTANCE AVAILABLE FOR TELEPHONE NOTIFICATION  
2: INTELICAST TARGET NOTIFICATION FORM INTRADO INC.  
3: NATIONAL CENTER FOR MISSING & EXPLOITED CHILDREN  
4: CHILDREN 5: NCMEC 6: INTRADO

X-REFERENCE COP # (S): 03-9978

NOTES: 11-21-02 ORIG LTR REC'D 11-18-02 FR NCMEC TO OPS COORD. MB

SENT TO

DATE DUE

DATE RETURNED

FILE CLOSED





## EXPLORED CHILDREN

### Industry Alert: Funding Assistance Available for Telephone Notification

...recently, the National

In response to the many missing children cases plaguing the country recently, the National Center for Missing and Exploited Children (NCMEC) has unveiled an exciting program through which municipalities can use IntelliCast™ Target Notification from Intrado Inc. to assist with missing child searches.

Operating like 9-1-1 in reverse, IntelliCast automatically delivers a telephone message about a missing child to thousands of targeted homes and businesses within minutes, helping ensure the most efficient dissemination of relevant information to safely and quickly recover missing children. This service can also deliver AMBER alerts. AMBER alerts are urgent bulletins to the communities over the Emergency Alert System calling for assistance in the search for an abducted child. The decision to implement ultimately rests with the community in question.

The NCMEC has partnered with Intradec—the trusted source for 9-1-1 database management in the United States—because of IntelliCast's ability to telephonically deliver critical information (physical description, date, time and location where last seen; number to call) to a targeted geographic area effectively and efficiently.

In view of the budgetary constraints facing local communities across the country, NCMBC has worked with Intrado to waive costs associated with municipalities launching IntelliCast Target Notification events to recover missing children. For communities that are not yet subscribers to the IntelliCast Target Notification service, Intrado, in conjunction with the NCMEC, will eliminate the upfront set-up costs to facilitate the implementation process.

"This program represents a significant step forward in assisting cities and towns across the United States in winning the fight against time to safely recover missing children," said Ernie Allen, NCMEC's president and CEO.

"With the rash of missing children, I think this system is crucial," said Captain Don Puru of the Pocatello, Idaho Police Department, who recently used IntelliCast Target Notification to help locate a child within 15 minutes after the telephone notification event was launched.

For information on how existing IntelliCast Target Notification customers can take advantage of this offer, or for new subscriber information, please call 1.877.262.3775 ext. 101 or email us at [locatechildren@intrado.com](mailto:locatechildren@intrado.com). You can also visit each organization's Web site at [www.missingkids.com](http://www.missingkids.com) and <http://www.intrado.com/NCMFC>.

© Copyright 2002 National Center for Advancing & Translating Children. All rights reserved.

©Copyright 2002 Intrado Inc. All rights reserved. Intrado, the Intrado logo, intradot.com, IntraNet Response Time and the "I" icon are trademarks or service marks of Intrado Inc. in the United States, other countries, or both.



THE CHIEF OF POLICE  
JAN 10 1964



FILE CLOSED

1999

DATE: 05/19/99 COP# 99-02742 ENTERED BY: JM

CATEGORY: OTH  
SUBJECT LINE 1: VENDOR - MEETING W/CHIEF REQUEST  
2: STINGER SPIKE SYSTEMS  
3: FEDERAL SIGNAL CORPORATION  
4: MEETING 5: SPIKE 6:

X-REFERENCE COP #(S): 98-2874

NOTES: 5/20/99 ORIG LTR 5/13/99 FR RICHER TO COB W/FAX ATTS TO SUPP.  
COORD. RL

SENT TO

DATE DUE DATE RETURNED

FILE CLOSED



<b>FILE SUMMARY</b>
---------------------

1996

<b>Date:</b> 01/22/1996	<b>COP#:</b> 96-568	<b>Entered By:</b> GR	<b>CAT:</b> OTH
VENDOR/SOLICITATION FEDERAL SIGNAL CORPORATION - EVALUATION PROGRAM RICHER, JULIO, DISTRICT MANAGER - ILLINOIS			

**X-Reference COP#(s):**

**Related COP#(s):**



**FILE SUMMARY**

1995

**Date:** 07/18/1995 **COP#:** 95-3610**Entered By:** kg**CAT:** OTH**PROTOTYPE PROJECT PHASE III VECTOR LIGHTBAR EVALUATION - V SHAPE WARNING  
SYSTEM FEDERAL SIGNAL CORPORATION****X-Reference COP#(s):** 95-2123**Related COP#(s):**



FILE CLOSED

DATE: 07/18/95 [REDACTED] BY: KATHY

SUBJECT LINE 1: PROTOTYPE PROJECT PHASE III  
2: VECTOR LIGHTSAR EVALUATION - V SHARP WARNING SYSTEM  
3: FEDERAL SIGNAL CORPORATION  
4: VEHICLE 5: PHASE III 6: BRADLEY

CATEGORY: OTH

X-REFERENCE COP # (S): 95-2123

NOTES: 7-21-95 [REDACTED]

SENT TO  
CHIEF'S OFFICE STAFF  
NORTH COMAND

DATE DUE	DATE RETURNED
	07/21/95
	07/21/95

FILE CLOSED



# CITY OF HOUSTON

INTER OFFICE CORRESPONDENCE

TO: Sam Nuchia  
Chief of Police

FROM: T.A. Bradley, Police Officer  
Crime Analysis/Planning  
and Research Division

VIA: H.W. Walpole, Sergeant  
Crime Analysis/Planning  
and Research Division

DATE: July 7, 1995

SUBJECT: Prototype Project Phase III

T.W. Jennische, Lieutenant  
Crime Analysis/Planning  
and Research Division

M.I. Montalvo, Captain  
Crime Analysis/Planning  
and Research Division

D.N. Richards, Assistant Chief  
North Command

The Crime Analysis/Planning and Research Division is considering new equipment for evaluation in the *Prototype Vehicle Project*. The Federal Signal Corporation has approached this division and asked that we evaluate their V-Shaped Warning System (Vector) Lightbar. As you are aware, the department currently uses mobile lighting for emergency response. The Vector Lightbar uses modular halogen light pods, as illustrated in the attached brochure.

Due to the substantial difference in the two lightbars, I am requesting your approval for this project before installing the Vector Lightbar.

If you have any questions, please call me at 247-5900.

orig. of 2 pamphlets - 112  
1 of copy of pamphlet - 112  
1 of copy of pamphlet - 112  
T.A. Bradley

*T.A. Bradley*

T.A. Bradley, Police Officer  
Crime Analysis/Planning  
and Research Division

Attachments

See Signatures

*T.W. Jennische*

*M. Montalvo*

*D.N. Richards*

*SM*  
7/20/95

APPROVED

55 JUL 10 1995



**FILE SUMMARY**

1988

**Date:** 11/01/1988 **COP#:** 2915**Entered By:****CAT:**

Williams, Jerry Federal Signal Corporation

**X-Reference COP#(s):****Related COP#(s):**



**FILE SUMMARY**

1988

<b>Date:</b> 11/01/1988	<b>COP#:</b> 2917	<b>Entered By:</b>	<b>CAT:</b>
Rice, Fred Federal Signal Corporation`			

**X-Reference COP#(s):****Related COP#(s):**



**FILE SUMMARY**

1988

**Date:** 11/01/1988 **COP#:** 2919**Entered By:****CAT:**

Benner, Mike Federal Signal Corporation

**X-Reference COP#(s):****Related COP#(s):**



# General Order

## Houston Police Department



ISSUE DATE:

June 19, 2015

NO.

200-41

REFERENCE: Supersedes all prior conflicting Circulars and Directives, and General Order 200-41, dated September 9, 2010

**SUBJECT: USE OF SOCIAL MEDIA AND THE INTERNET**

### POLICY

Information or material posted to the Internet or in the social media (e.g., Twitter, YouTube, Facebook, Instagram, Web sites, blogs, forums, and message boards) may be considered part of the public domain even if access is restricted, or it may be geotagged, and as such, privacy of the information should not be assumed. Photographs and other material posted to Web sites, social media, or other applications may become the property of that Web site or provider.

While employees are allowed to maintain a Web page and make comments or postings in the social media, this General Order outlines the department's right to regulate the speech and actions of its employees in certain circumstances.

This General Order applies to all employees.

### **1 DEPARTMENT USE OF SOCIAL MEDIA AND THE INTERNET**

Only the Chief of Police may approve an official department Web site or other official department presence on the Internet or in the social media.

The Office of Public Affairs shall exercise oversight of and monitor content on each official department Web site and social media site to ensure the content information and postings are correct and appropriate, and to ensure adherence to federal, state, and local laws, department policies, and City of Houston Executive Order 1-18. This includes, but is not limited to, adherence to

copyright and privacy laws, records retention requirements, the Texas Public Information Act, and information security policies established by the department.

Division commanders who want to establish an official department presence on the Internet or in the social media shall contact the Office of Public Affairs regarding a social media site proposal.

### **2 EMPLOYEE USE OF SOCIAL MEDIA AND THE INTERNET**

Employees who post or allow to be posted information or material to the Internet or in the social media or in any publicly accessible communication application or medium are subject to the General Orders at all times. Actions taken while on or off duty and that violate any General Order shall be subject to appropriate review and possible disciplinary action.

Employees are not barred from presenting themselves on the Internet or in the social media as Houston Police Department employees. However, when posting information or material to the Internet or in the social media or in any publicly accessible communication application or medium, employees shall carefully consider whether or not to identify themselves as employees of the Houston Police Department or members of law enforcement. Any information posted may remain accessible to the public for an indefinite length of time even if access restricted, and this may impact open records requests, courtroom credibility, potential citizen contacts, or the ability to seek and obtain an undercover assignment within the department.



**3 RESTRICTIONS**

Except as required by official duties, employees shall not knowingly post or allow to be posted to the Internet or in the social media or in any publicly accessible communication application or medium:

- a. Photographs or anything depicting or regarding themselves or other employees in compromising or inappropriate locations or circumstances.
- b. Anything that would identify an employee or another person in law enforcement as a coworker, police officer, police employee, or member of law enforcement, without permission from that person.
- c. Anything identifying, depicting, or regarding employees or other persons in law enforcement, on or off duty, who work in an undercover capacity.

Undercover officers shall not post or allow to be posted images of themselves on any Internet or social media site, whether the image is of the undercover officer in an on-duty or off-duty capacity. Additionally, undercover officers shall not identify themselves as police officers or as Houston Police Department employees on any Internet or social media site. Undercover officers who engage in any of these activities may be considered for reassignment within the division or elsewhere in the department.

- d. Anything depicting or regarding an employee, without permission from that person.
- e. Anything depicting or regarding City of Houston property or policy, the public release of which would compromise national, local, or employee security or the department mission.
- f. Anything that would produce a reasonable expectation of harm to the reputation

of the Police Department, the City of Houston, or any City employee.

- g. False, derogatory, offensive, or inappropriate comments, material, or depictions regarding any coworker or other City employee.
- h. Anything false, derogatory, offensive, or inappropriate regarding their official duties or any department or City policy.
- i. Anything depicting or regarding an ongoing law enforcement or City of Houston investigation, including investigations that have not resulted in a final adjudication.
- j. Anything that relates to official department activities including, but not limited to, crime scenes, potential evidence, witnesses, incident reports, or personnel performing official duties.
- k. Confidential or privileged information or material made available to them by their capacity as police officers or their position within the Police Department.
- l. Anything appearing to be officially sanctioned by the Police Department or the City of Houston.
- m. Anything appearing to use a City of Houston employee's official position for personal profit or business interests, to endorse a political candidate, platform, or commercial product, or to participate in political activity.
- n. Anything that would attribute personal statements or opinions to the Police Department or the City of Houston.

**4 RELATED GENERAL ORDERS AND REFERENCE MATERIAL**

100-07, Standard Operating Procedures  
200-03, Investigation of Employee Misconduct



200-06, Political Activities  
200-08, Conduct and Authority  
300-15, Appearance and Grooming  
Standards – Classified  
400-14, Control of Police Department  
Property  
400-25, Acceptable Use of Computers  
800-10, Police Records  
800-11, TCIC/NCIC  
Chapter 552, Texas Government Code  
City of Houston Executive Order 1-18



Charles A. McClelland, Jr.  
Chief of Police



**Texas Commission on Law Enforcement  
Houston Police Academy  
Instructor Lesson Plan**

**Subject:** Internet Profiling and Intelligence Gathering

**Unit:** HPD Vice Division Hosting the Course

**TCOLE#**

**HPD# N/A**

**Instructors:** Michele Stuart

**Phone:** xxx-xxx-xxxxx

**Time Allotted:** 16 hours

**Instructor Aids:** "Information Presented is copyrighted. Please see attached copy right agreement."

**Student Materials:** Paper, Pen

**Goal:** The goal of this course is to demonstrate new investigation techniques that are vital to any Investigator's arsenal of tools and instruct a unique method of online investigations with unconventional free resources.

**Date Prepared:** 8-2016

**Date Revised:**

**Prepared By:** Michele Stuart

**Revised By:**



## **Course Schedule**

### **DAY 1**

#### **Morning Session**

**30 Minutes:**      **Registration & Welcome remarks**

**1.5 Hours:**      **Security Concerns**

Demonstrate Security and Privacy concerns (both online and cellular) and learn how to protect personal and family information

**2 Hours:**      **Security concerns**

Provide examples of cellular application security compromises. Provide examples of applications that can be used in an investigation to immediately identify witnesses, threat statements and identify key suspects or witnesses. Show online dangers of being identified and tracked.

#### **Afternoon Session**

**1 Hour:**      **Public Records**

Demonstrate the ability to learn personal information from public record sources. Determine family and business association. Identify personal identifiers useful in an investigation.

**1.5 Hours:**      **Public Records**

Provide examples on correct search techniques. Provide examples on how to utilize information located to new search techniques online with open sources.

**1.5 Hours:**      **Search Engines and Correct Effective Searching Techniques**

Demonstrate the correct techniques for the best search pattern results from search engines. Boolean searches. Provide real time examples of search criteria manipulation. The law enforcement and the investigative communities now face the problem (and the benefit) of publically available facial recognition software that can assist in identifying a subject and/or identifying a fake account used for investigative purposes. Online in real time instruction will focus on how to utilize these sources. Learn to utilize Google's and Facebook's facial recognition software. Provide real time example of identification of photo.



## **DAY 2**

### **Morning Session**

**30 Minutes:**      **Registration/Sign-in & Welcome remarks**

**1 Hour:**            **Search Engines and Correct Effective Searching Techniques**  
Recap of previous day. Demonstrate how to identify and locate cached or removed information. Show how we can pull information from cached sites that allow us to view domains that have been removed back to 1991.

**1 Hour:**            **Internet Open Sources**  
Review and identify numerous surface and deep web online open sources to identify residential locations or associated telephone numbers. Demonstrate which open sources can pull different types of information – associates, family members, gang members / criminal networks. Show the difference between surface web to deep web.

**1.5 Hours:**        **Internet Open Sources**  
Demonstrate how to determine ownership and domain WHOIS information. Provide International research techniques. Pull cached information from removed sites.

**1.5 Hours:**        **Using Social Networking Sites**  
With estimated billions of social networking profiles and mobile social applications, it will be demonstrated on how to correctly search for information to access these platforms to identify gangs / human trafficking / fugitive locates / drug sales / suspects and witnesses. Cover the security issues as well as how to utilize LinkedIn.

**1.5 Hours:**        **Using Social Networking Sites**  
Learn how to identify a Facebook ID then learn search capabilities on Facebook and other sources to pull the most useful information on the subject and friends / family. Show the significance of hashtags and the ability to search and follow hashtag conversations over numerous platforms. Demonstrate the capabilities to geo locate Instagram pictures via the actual posting of the pictures.

**1 Hours:**            **Using Social Networking Sites & Recap**  
Determine usernames and additional associations. Demonstrate the capabilities to geo locate Twitter postings. Locate personal online photo albums. Recap of all tools and lessons.



## **Instructor Lesson Plan**

**Subject:** Internet Profiling and Intelligence Gathering

### **Lesson Objectives:**

Outline cellular platform security issues in addition to online personal security risks. Provide step-by-step in-depth researching techniques utilizing online and open-source databases located on the web. Instruct techniques in locating 'hidden' information on a subject's web presence from public records, criminal records and social-networking profiles. Learn how to use open sources available for geo locating tweets and instagram photos right after they have been posted as well as reading the metadata embedded in pictures. The class will further demonstrate how to utilize the internet as an effective investigative research tool (by manipulating search criteria) in locating and creating an entire profile on an individual, gang / drug / human trafficking intelligence, security/counter intelligence or corporate intelligence.

### **1. Preparation:**

Preparation for the class includes reviewing course material and ensuring that all techniques are valid, functioning, and usable in real-world scenarios.

### **2. Presentation**

The instructor will present all material in a lecture format. Each topic will be presented in a live environment using current data on the internet. All demonstrations will be conducted within a web browser through a live internet connection. These live examples will identify how the content can be used in an actual investigation. Actual case studies of criminal investigations will also be presented.

#### **Key Topic Points**

#### **Elaboration on Key Points**

**I Security Concerns**

**II Public Records**

**III Search Engines and Correct Effective Searching Techniques**

**IV Internet Open Sources**

**V Using Social Networking Sites**

"Information Presented is copyrighted. Please see attached copy right agreement."

### **III. Application**

Participants will be able to use free resources to search the internet for personal information about any target. Participants will be able to apply all search techniques discussed during the training toward investigations.



#### **IV. Evaluation**

The instructor will analyze class participation throughout the training while conducting live examples of the lessons discussed. Engagement by the audience will be an indicator of the progressing generative knowledge. Thus illustrating practical application of the lessons and an understanding of the concepts taught.

#### **V. References**

“All references are based on copyrighted material. Please see attached copy right agreement.”



**Texas Commission on Law Enforcement  
Officer Standards and Education**

**Houston Police Academy**

**Instructor Lesson Plan**

**Subject:** Social Media/Community Awareness

**Unit:**

**TCLEOSE#:**

**HPD#:**

**Instructors:** See attached lesson plans

**Phone:**

**Time Allotted:** 8 hours

**Instructor Aids:** See attached lesson plans

**Student Materials:** See attached lesson plans

**Prerequisite Experience of the Learners:** Classified personnel

**Goal:** See attached lesson plans

**Date Prepared:** September 2012

**Date Revised:**

**Prepared By:** M.P. Whitmore

**Revised By:**



**Instructor Lesson Plan**

**Subject:**

**Unit:**

**Lesson Objectives:**

See attached lesson plans.

**Course Schedule**

See attached lesson plans.



# Proper Conduct and Behavior

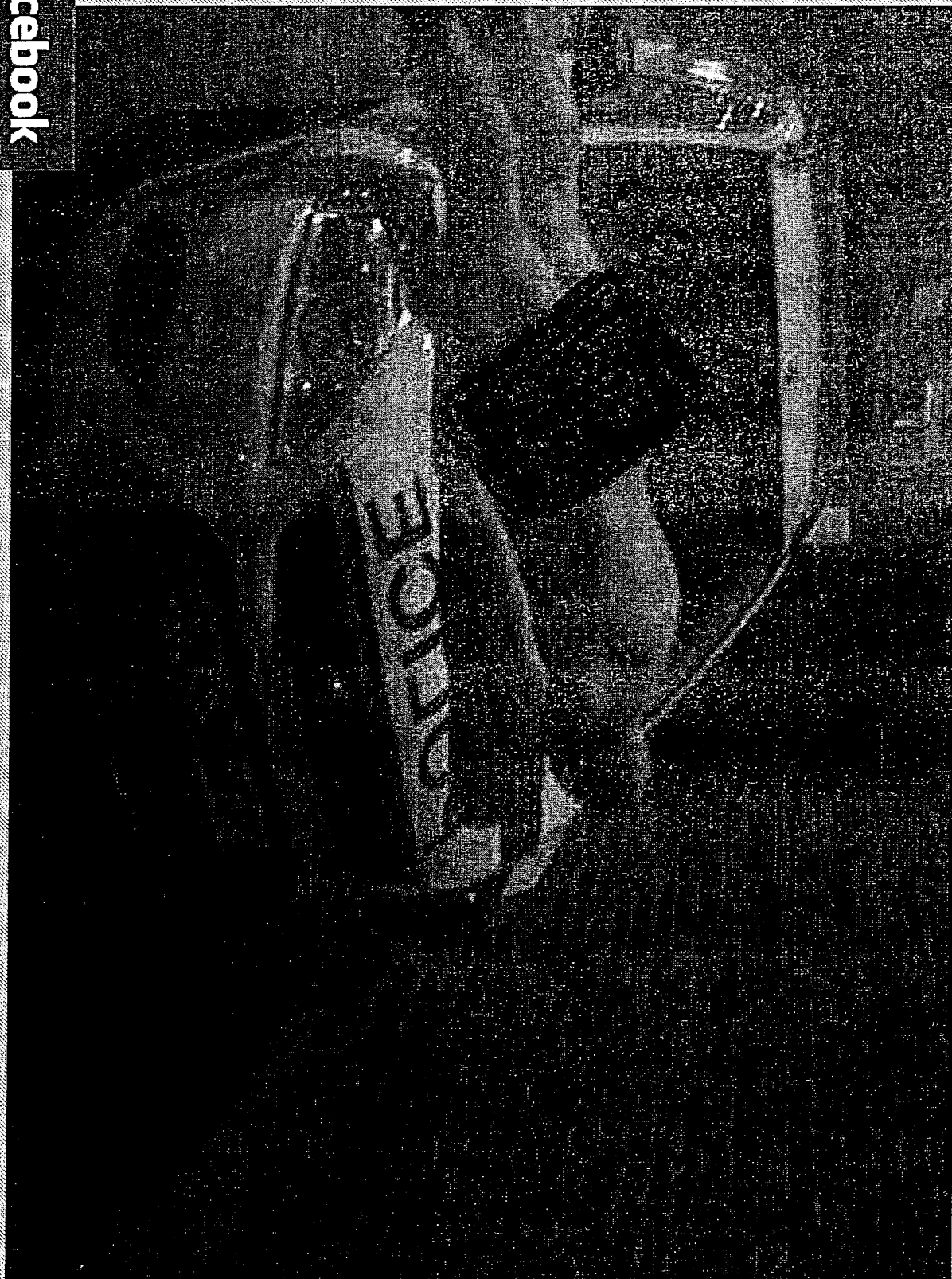
with **Social Media Sites**

on duty and off duty

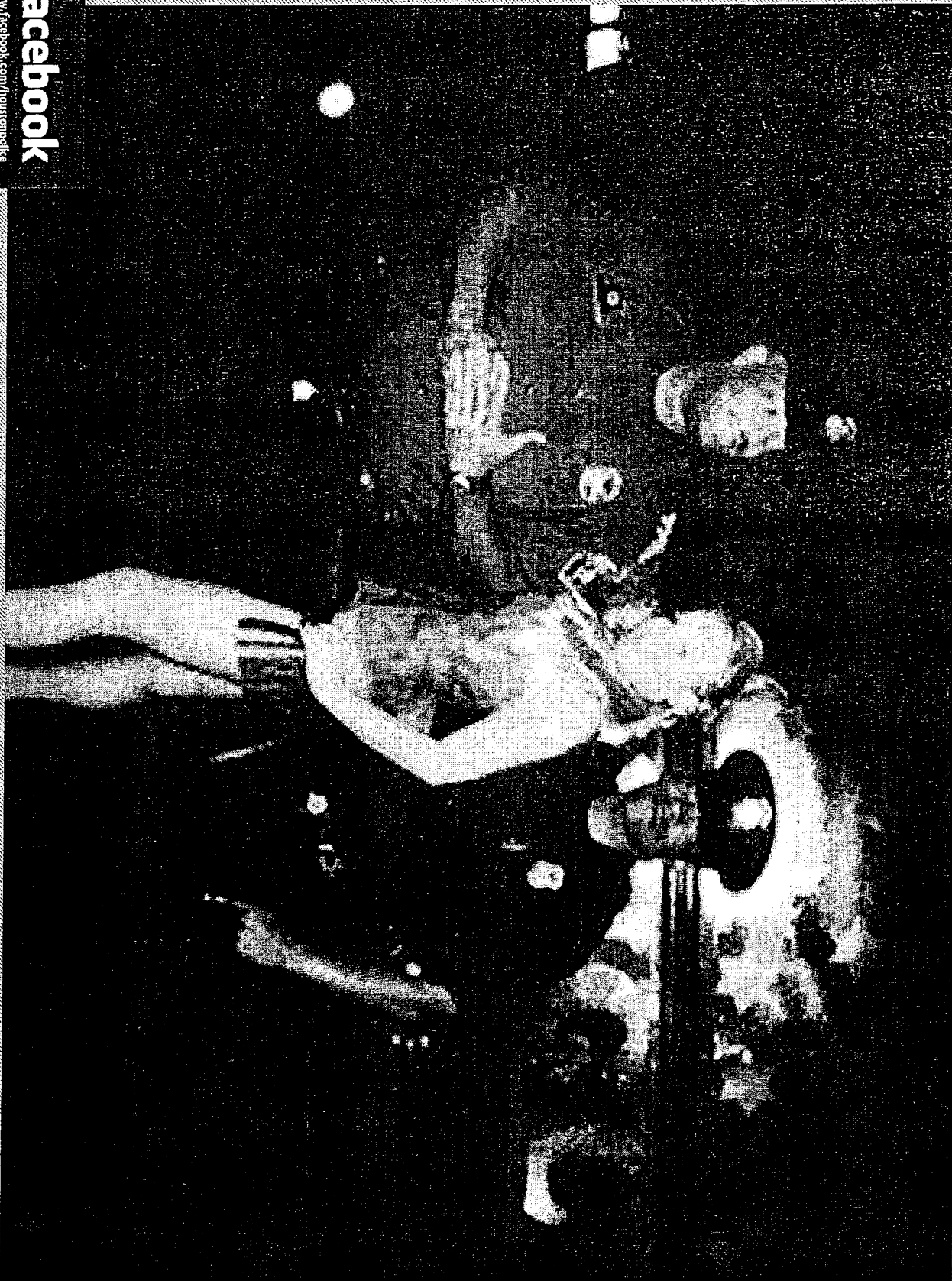
General Order 200-41



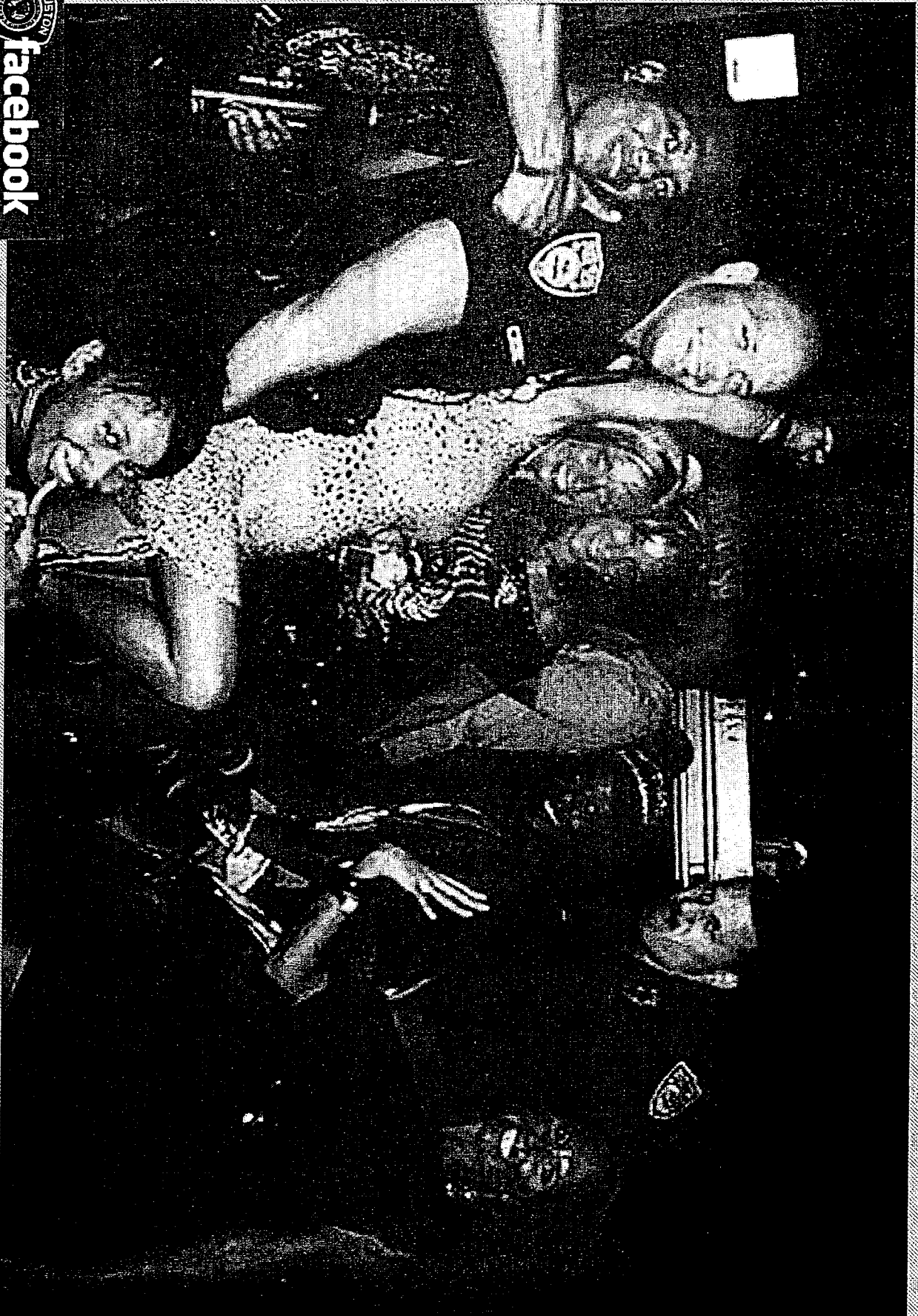




















HOUSTON  
POLICE  
**facebook**  
[www.facebook.com/houstonpolice](http://www.facebook.com/houstonpolice)

**13**  
**INVESTIGATES**



# G.O. 200-41

Shall not post photos or images depicting crime scenes, evidence, or city property

Shall not post images of persons, who work in an undercover capacity

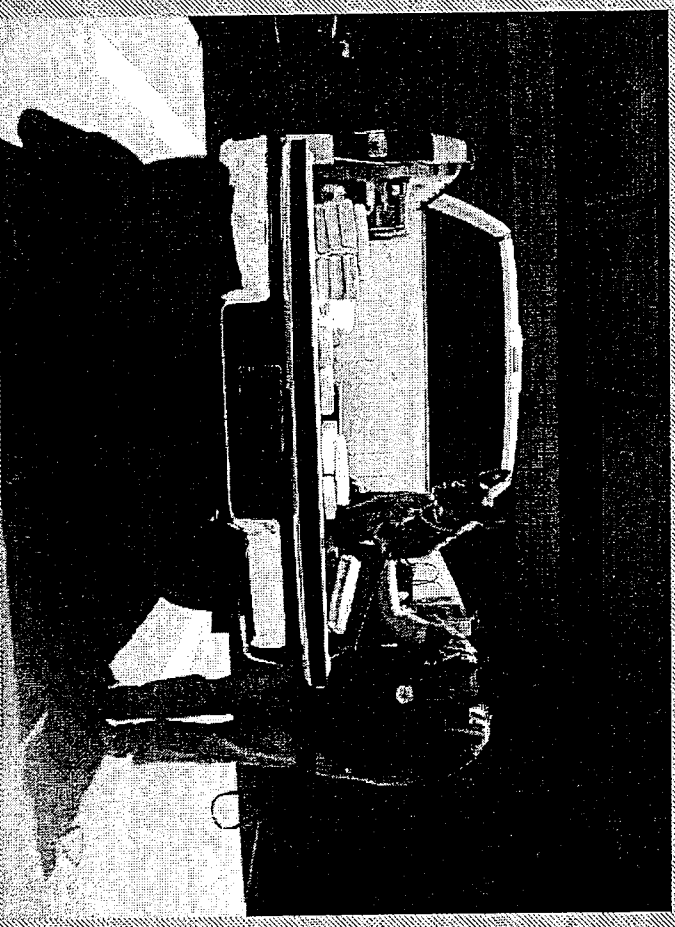
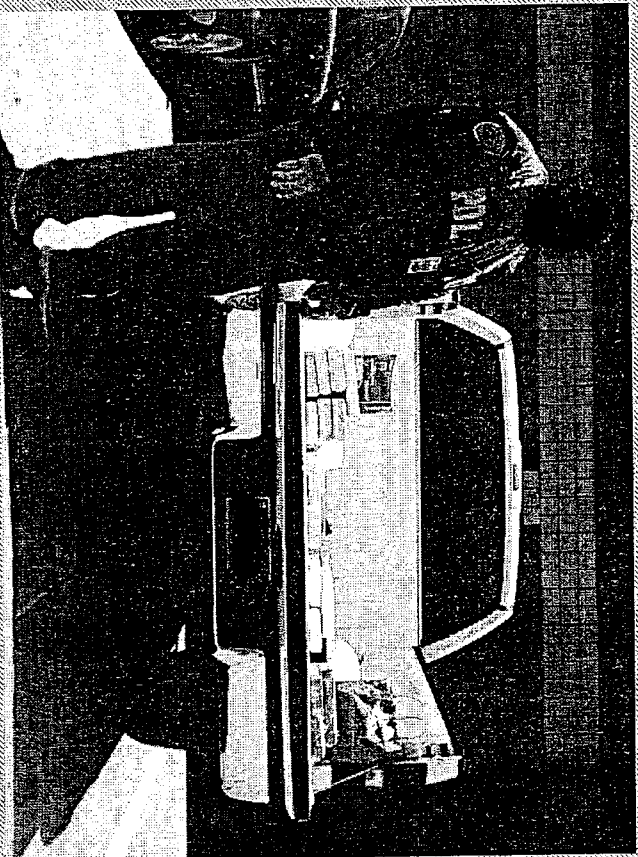
Shall not discuss or comment on any ongoing investigations





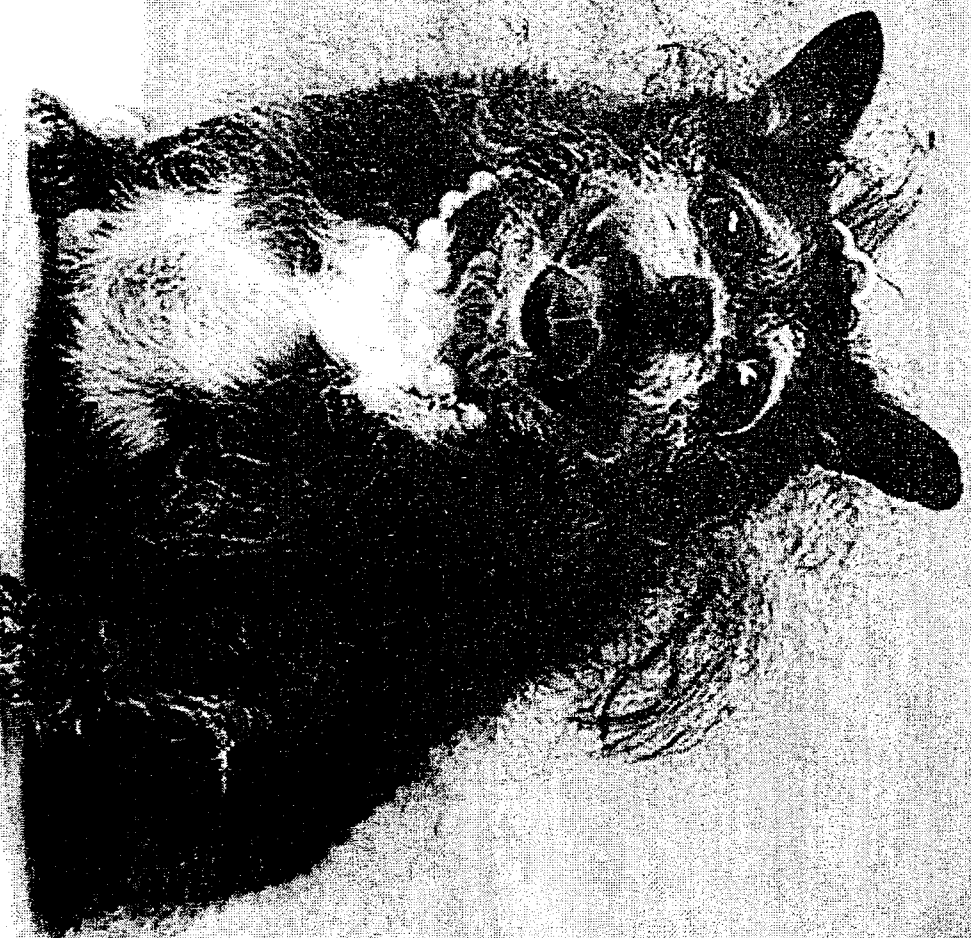


# Narcotics Bust Pictures ended up on Facebook



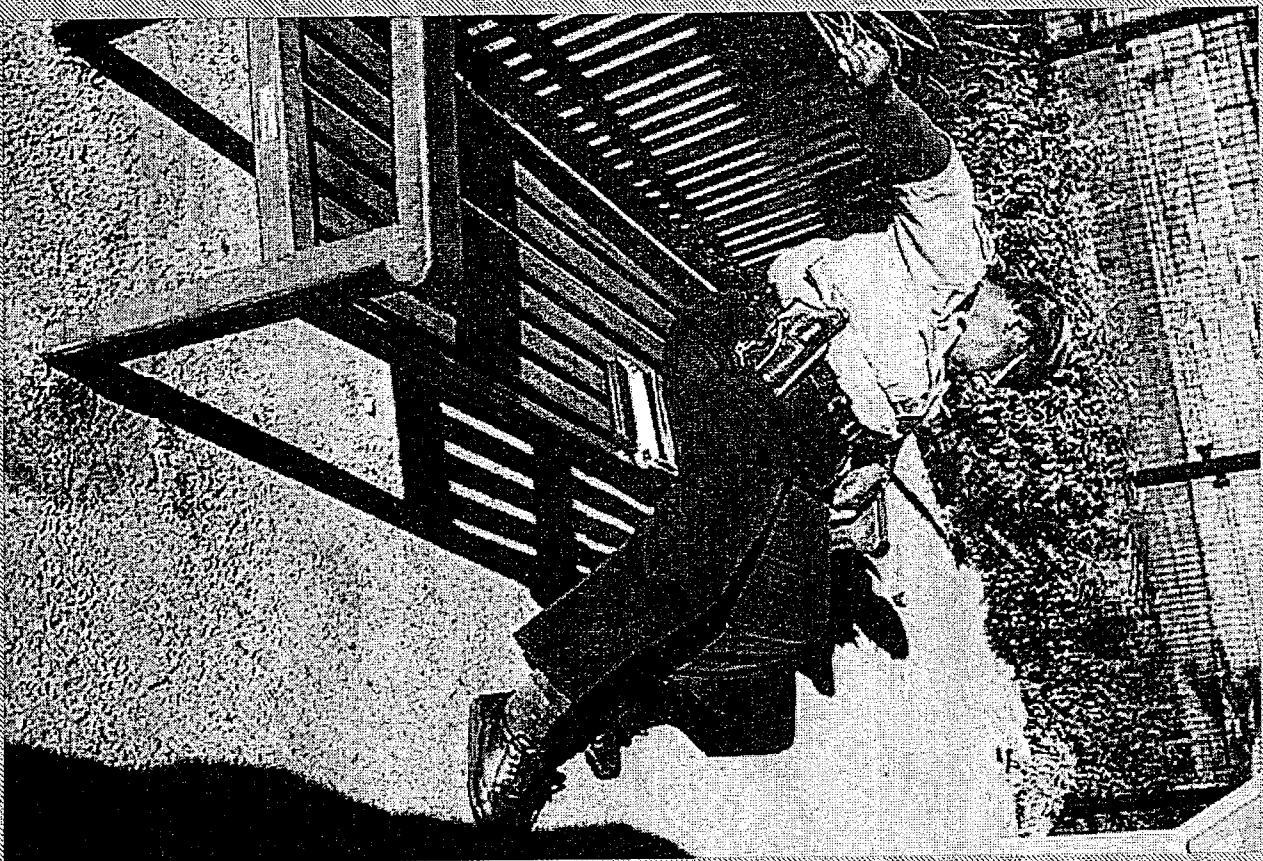


SMILE

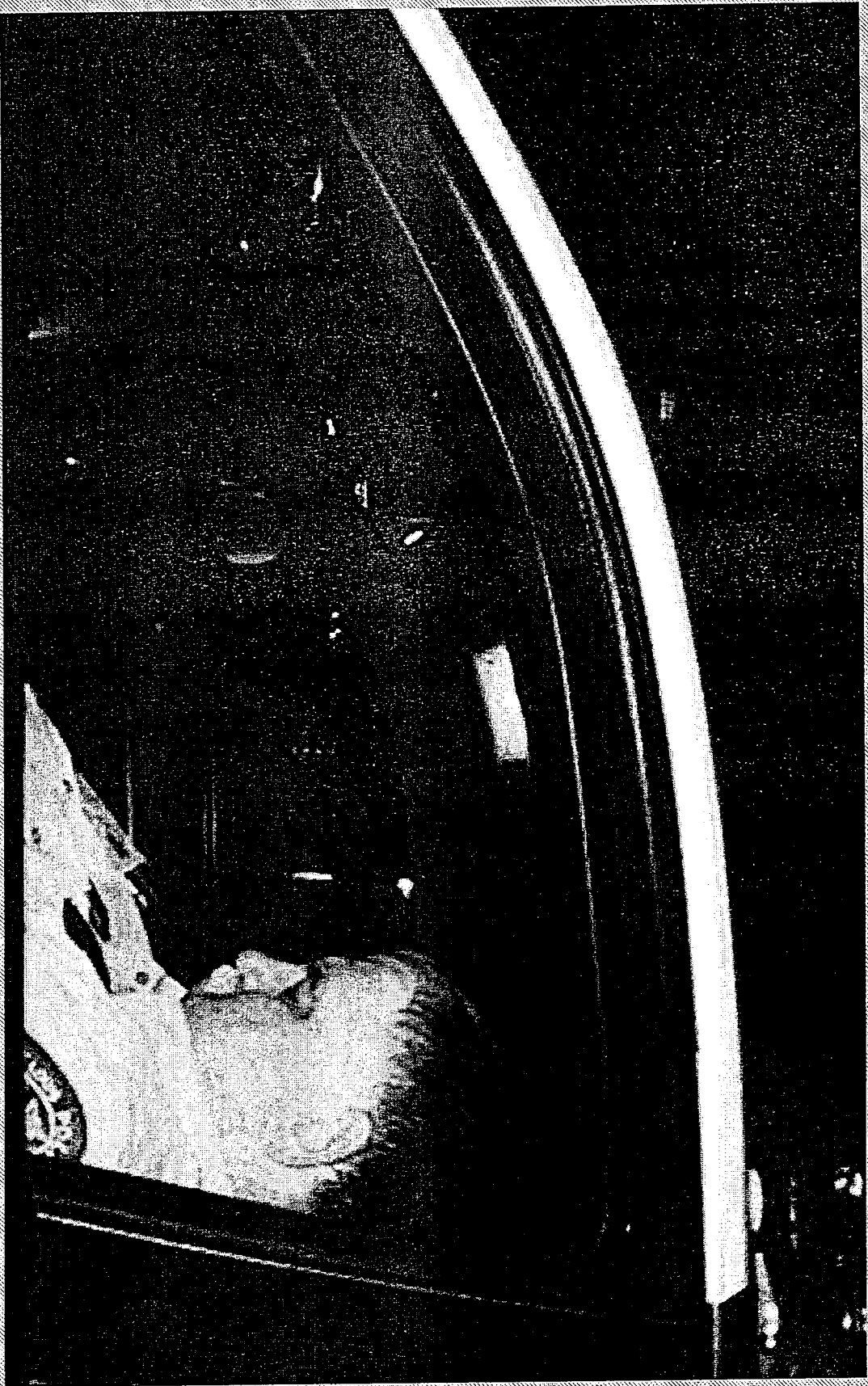


In today's world everyone has a camera on them at all times...



















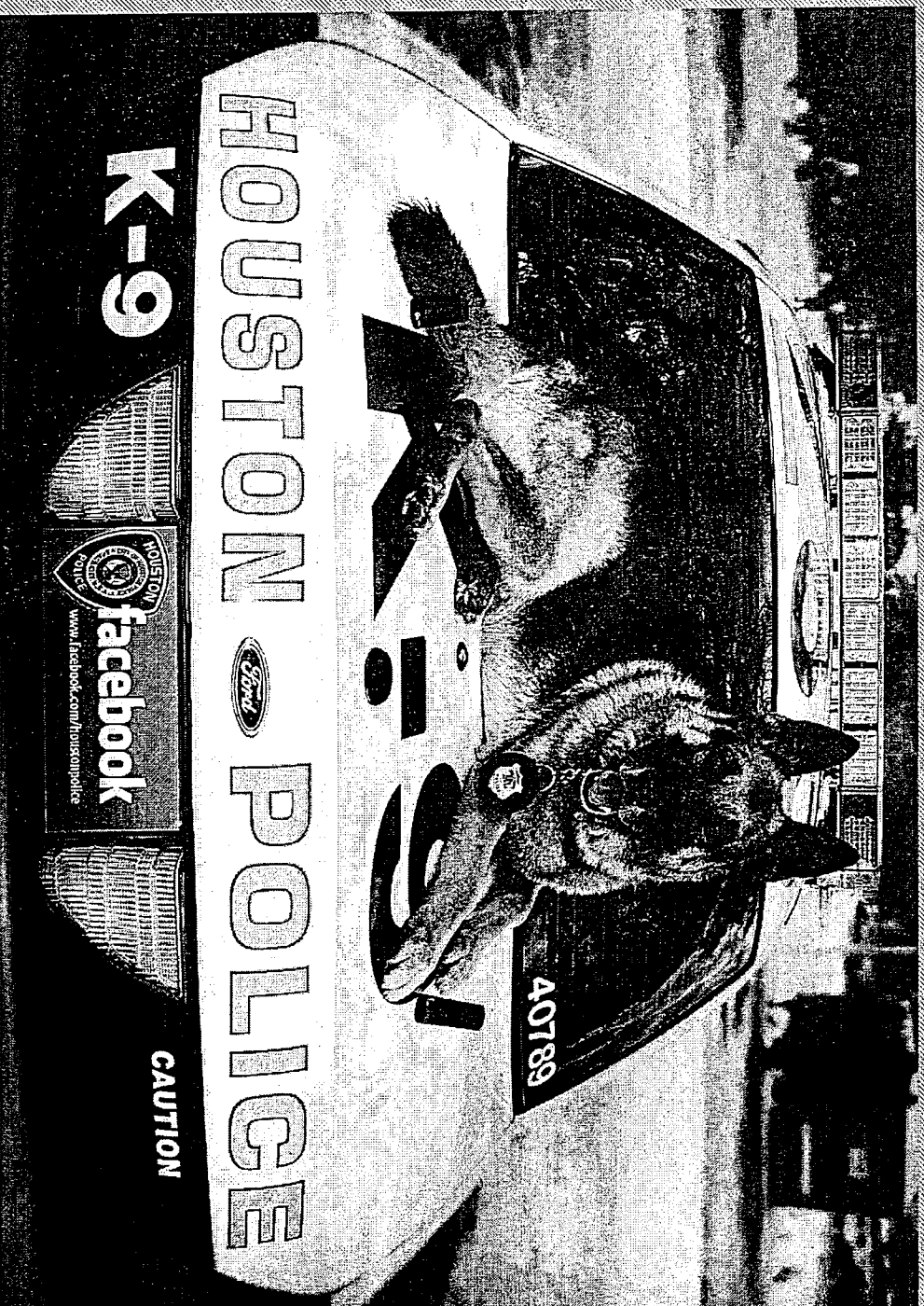




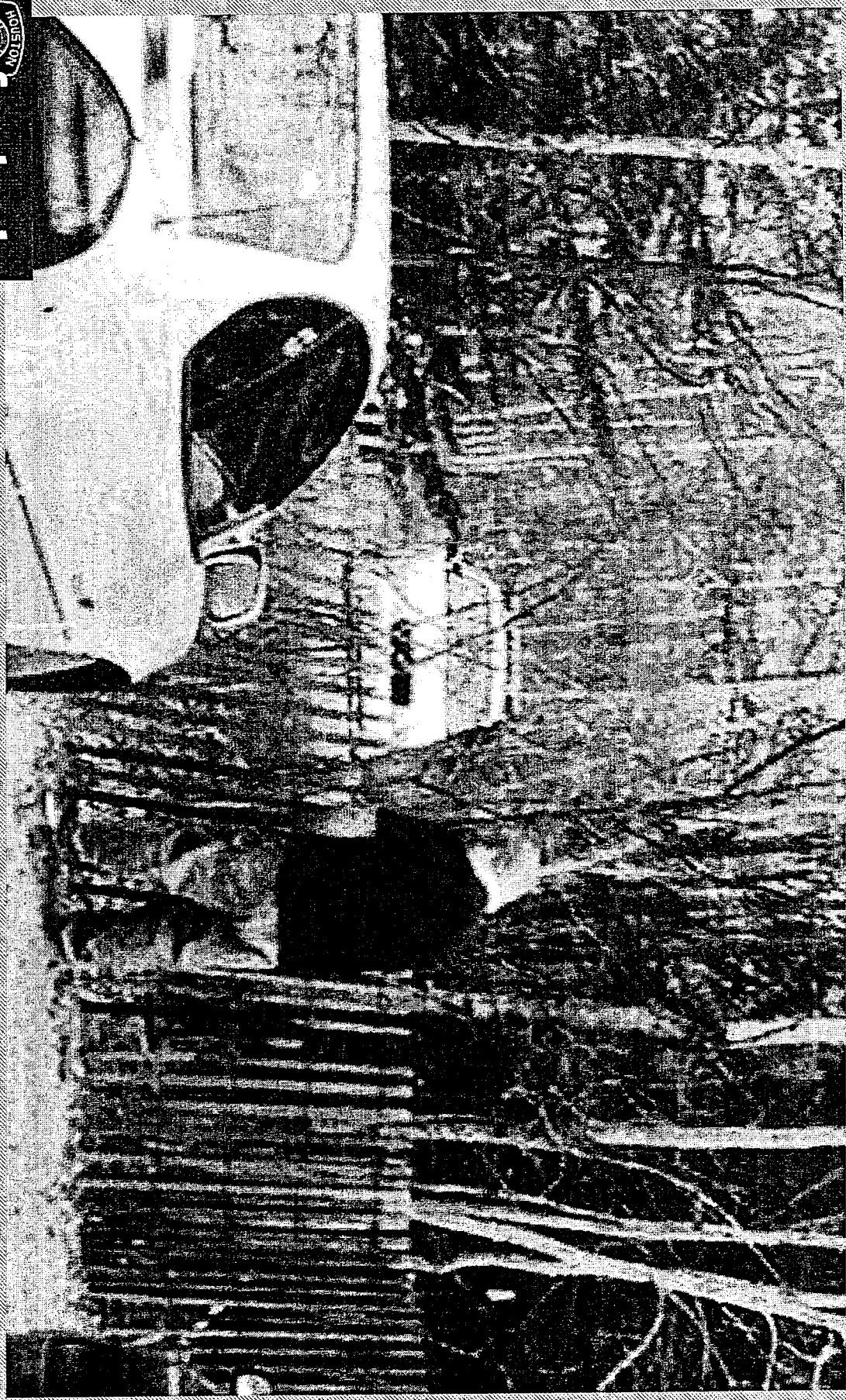




Of course Social Media  
works both ways . . .







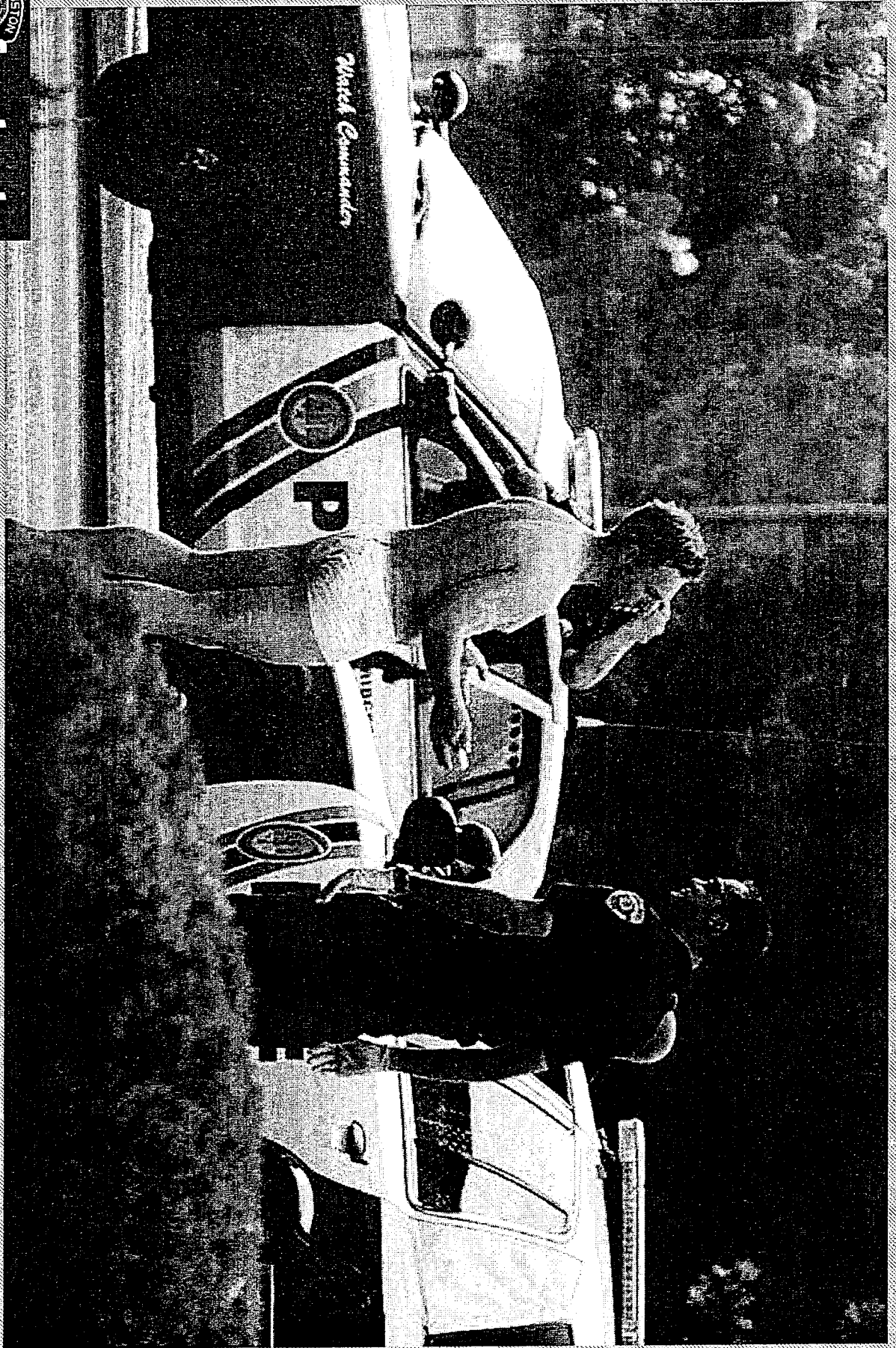








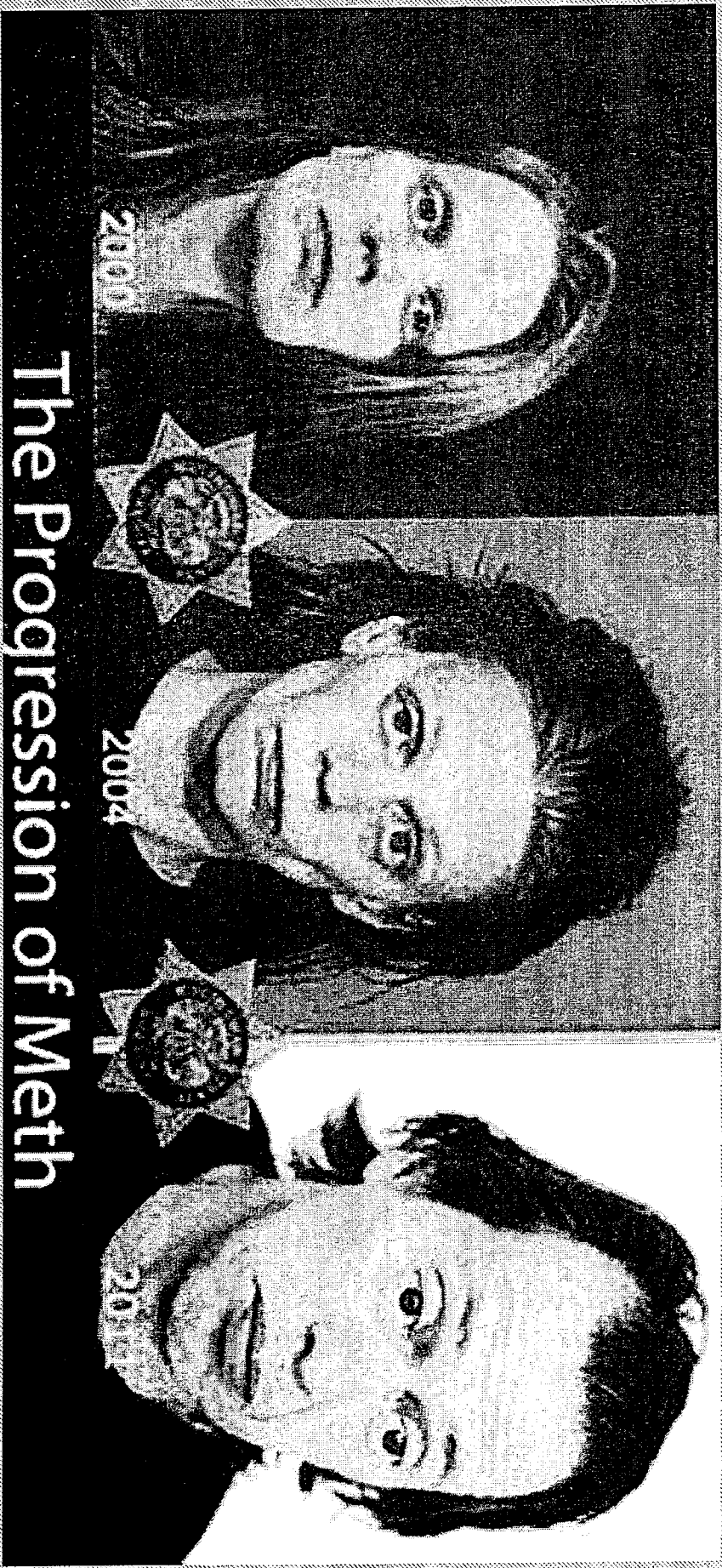












## The Progression of Meth



# G.O. 200-41

Shall not post material that may harm the reputation of the City, Department or its employees.

Shall not use abusive or inappropriate text to attack colleagues, Department and City, or policies

**Employees shall not post derogatory or offensive comments related to their official duties**





# Houston Police Pot Brownies



## Text messages on in-car computers

1. At 1:29am, one officer writes one officer to another, "We just got like 5lbs of marijuana and a ton of other crap." (They tagged two and a half pounds)
2. "So high- spaced out, h-i-g-h,"
3. At 2:44am that morning, "So HIGH" "Good munchies" writes another officer. Reassuringly, the first writes back, "Everything should be open when we get done"

source: KTRH's Ted Cheng



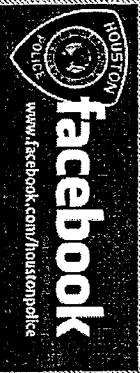
Police sacked for Facebook posts

Police officer resigns over Facebook comments

Police investigate report of officer posting photo of dead body on Facebook

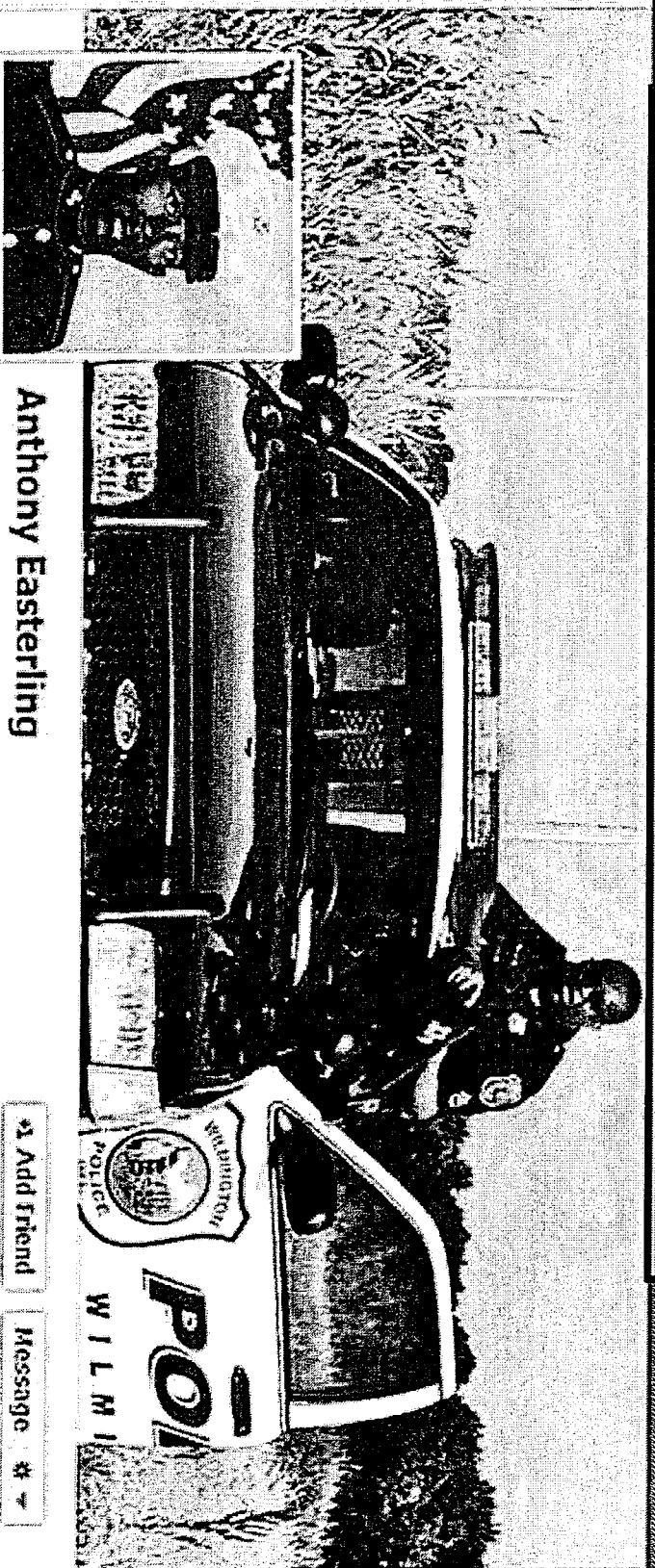
FORT WORTH — A North Texas sheriff's deputy has lost his job over rants he posted against his boss and two other county employees.

150 U.K. Police Officers Disciplined For Inappropriate Facebook Posts





WILMINGTON, Del. - A few days after the Fourth of July, a police officer logged onto his Facebook account and offered some advice to his 1,346 friends.



Anthony Easterling

+ Add Friend

Message





"A word to the wise never  
get drunk and trip off of  
meads and call a cop a 'N'  
results broken jaw and  
criminal charges..... WPD  
for life, "

Officer Anthony Easterling





A Montana police officer who wrote on his Facebook page that there should be a law allowing police to take people to jail for being "stupid" has resigned.



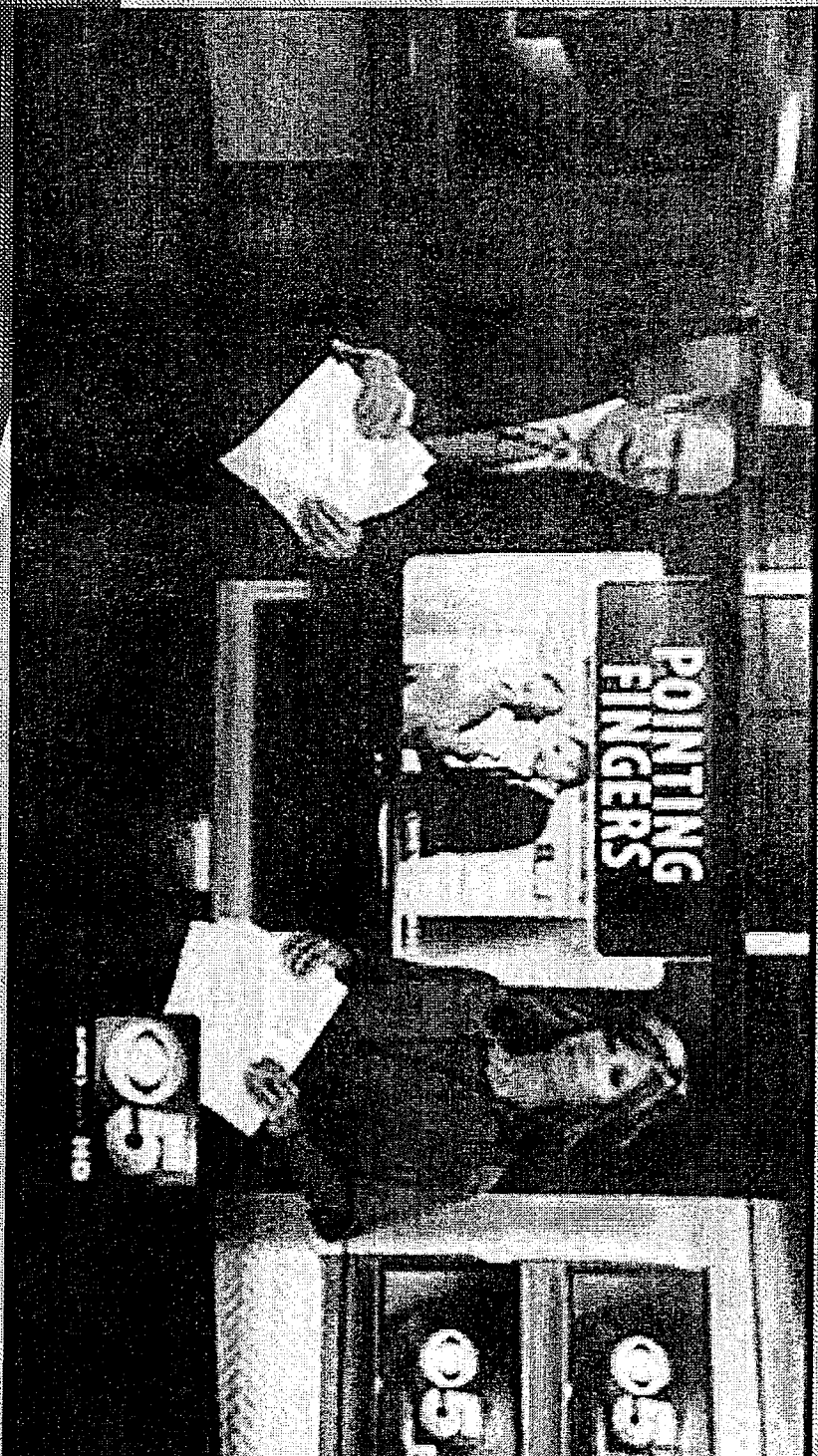
A police officer who used the Twitter social media network while on duty to make offensive comments about citizens and to criticize his supervisors has been fired.

Police officers are not substitute parents. If you were not ready for the responsibility of being a parent, you should've used protection. Fort Lauderdale Police Officer Luis Pagan tweeted on Oct. 5, 2011.

So deal with your own explosive deleted kids and stop calling the police because you're a explosive deleted up parent.









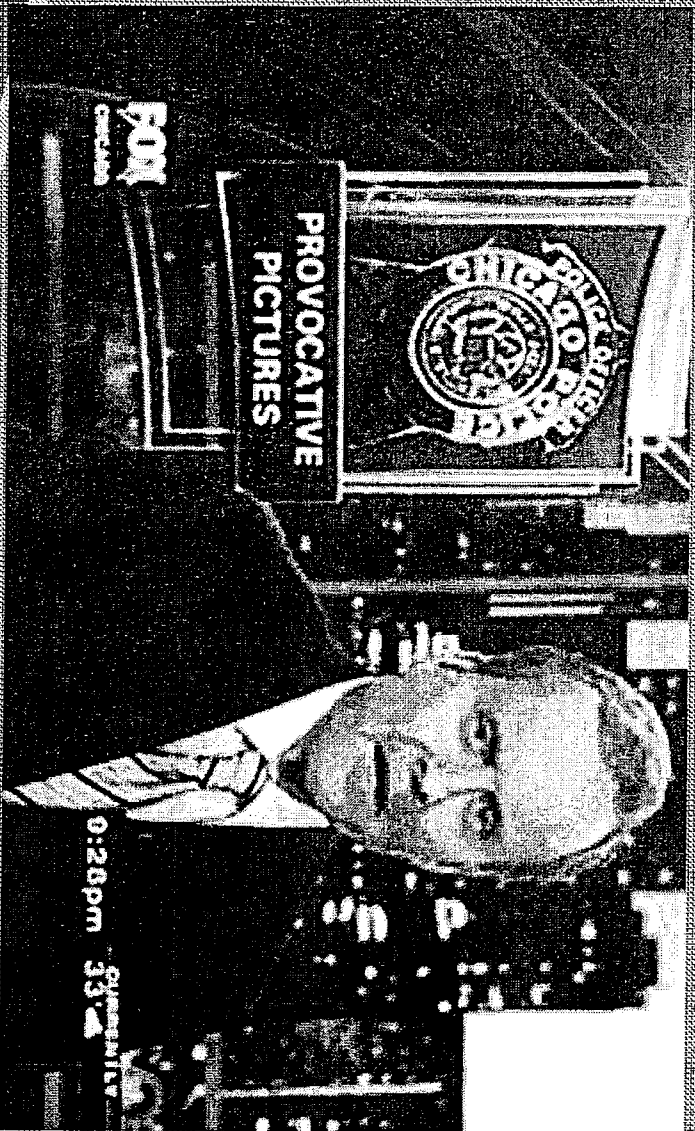
You are responsible for your own actions.

There is a difference between free speech & consequence. You have the right to write whatever you like on your Facebook page but that doesn't mean you won't have to deal with the consequences that arise from what you have written.

Comment from Toniris at [blogs.houstonpress.com](http://blogs.houstonpress.com)

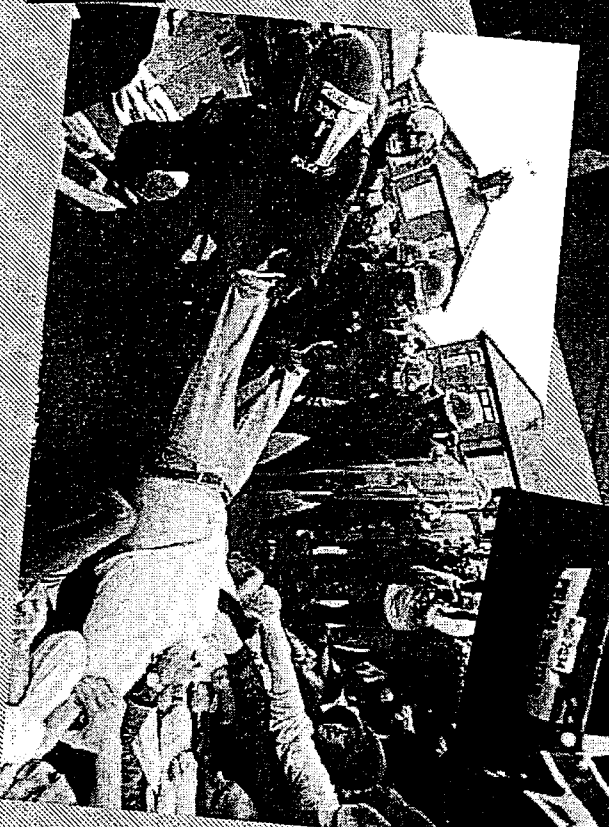
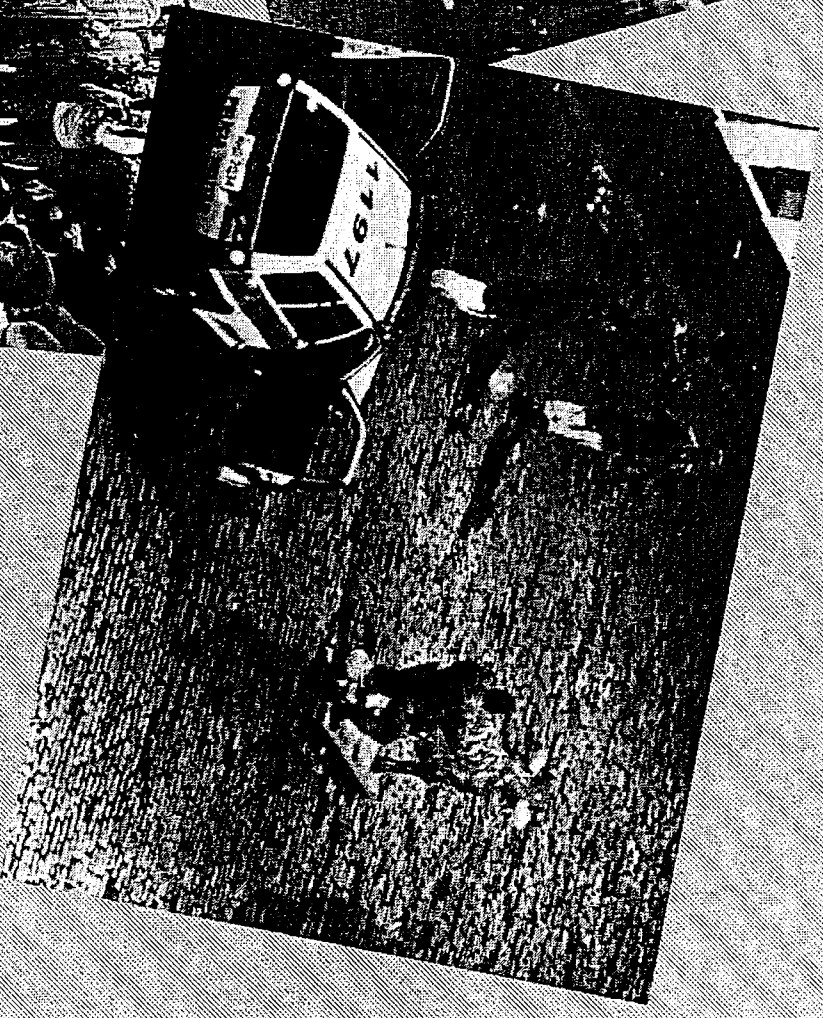






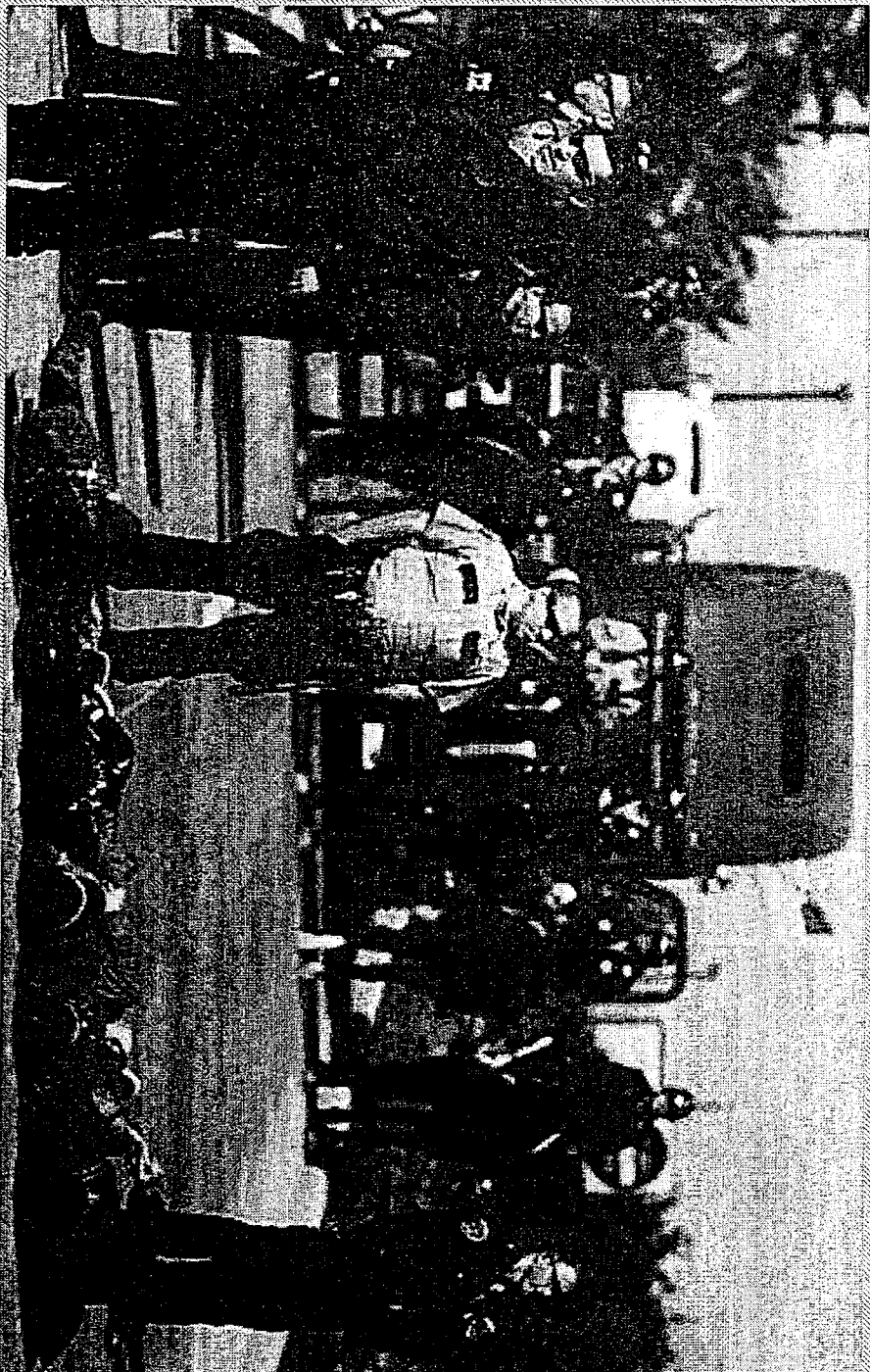


Don't put yourself in a compromising position





# Occupy Houston



Is your personal information safe?





Postings of all command staff down to Captains appeared on the internet during Occupy Houston.. Do you want your information public?

Houston Police Chief  
Charles A McClelland

Houston, TX

Charles A. McClelland, Jr. is the current police chief of the Houston Police Department (HPD). Joining the department in May 1977, McClelland worked his way up through the ranks, from rookie to assistant chief in 1998,[1][2] before being asked to step in as acting chief. A graduate of the University of Houston-Downtown,[3] University of Houston-Clear Lake,[4] and the FBI National Academy,[5] he oversaw the department's implementation of Tasers [6] and a real-time crime analysis program.[7]

Badge number Chief Place of birth Center, Texas Years of service 1977 – Present Rank

Sworn in as a Police Trainee - 1976

Patrol Officer - 1977

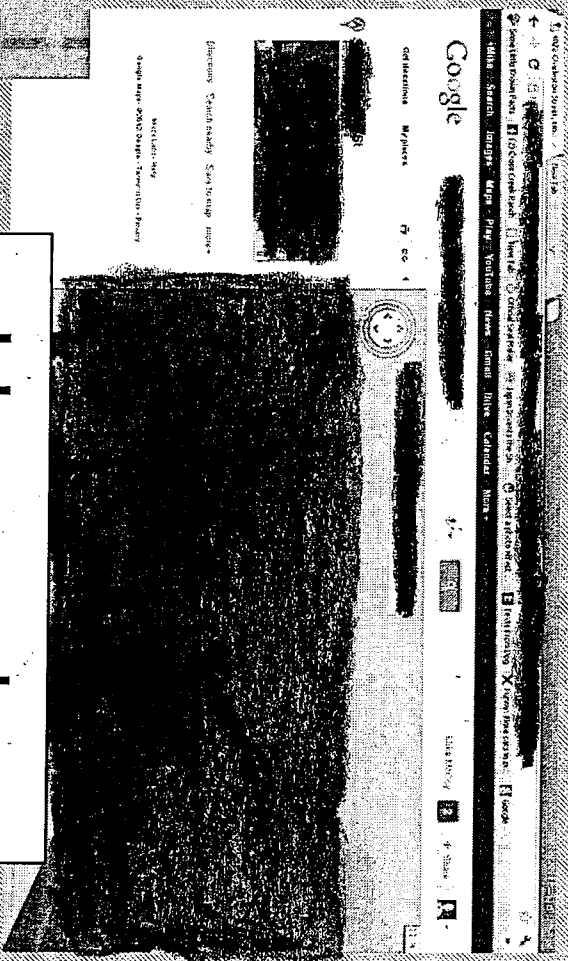
Assistant Chief of Police - 1998

Executive Assistant Chief of Police

Police Chief – 2010







How do  
you  
conceal  
your  
address?



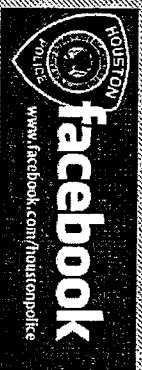


# Confidentiality Provisions

Texas Tax Code 25.025 permits certain persons to request the Appraisal District restrict from public access to any information in the appraisal district records required by 23.02 that could be used to identify their home addresses.

Classifications eligible to request that their data be made confidential are CURRENT or FORMER Peace Officers.

Fill out Request for Confidentiality form available at  
[www.window.state.tx.us/taxinfo/taxforms/50-284.pdf](http://www.window.state.tx.us/taxinfo/taxforms/50-284.pdf)  
[www.hccad.org](http://www.hccad.org)





## Driver's License for Peace Officer Transportation Code Sec. 521.1211

Adopt procedures for the issuance of a driver's license to a peace officer that omits the license holder's actual residence address

Alternative address must be in the municipality or county of peace officer's residence and is acceptable to the department. (DPS)

### P.O. Box

(US mail service, private companies offering P.O. boxes)

Smaller agencies use work address





# Positive Aspects of Social Media





# Facebook

[www.facebook.com/houstonpolice](http://www.facebook.com/houstonpolice)



Admin Panel

Edit Page Build Audience Help Show 11

+ Create A Page

Now

July 2012 2011 2010 Joined Facebook

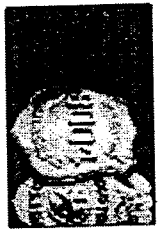


# Houston Police Department

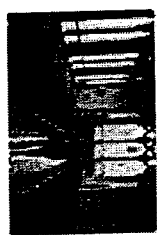
29,731 likes · 2,152 talking about this · 2,016 were here

✓ Liked \* ▾

Government Agency  
Welcome to the official Houston Police Department Facebook Page. We welcome your input and positive comments regarding HPD. If you experience an emergency or need



29,731



About

Photos

Likes

Map

Videos

See Your Ad Here



# Officers in Action



Wall Photos

Tag Photo Options Share Like

facebook



Houston Police Department  
Filed - August 17, 2013

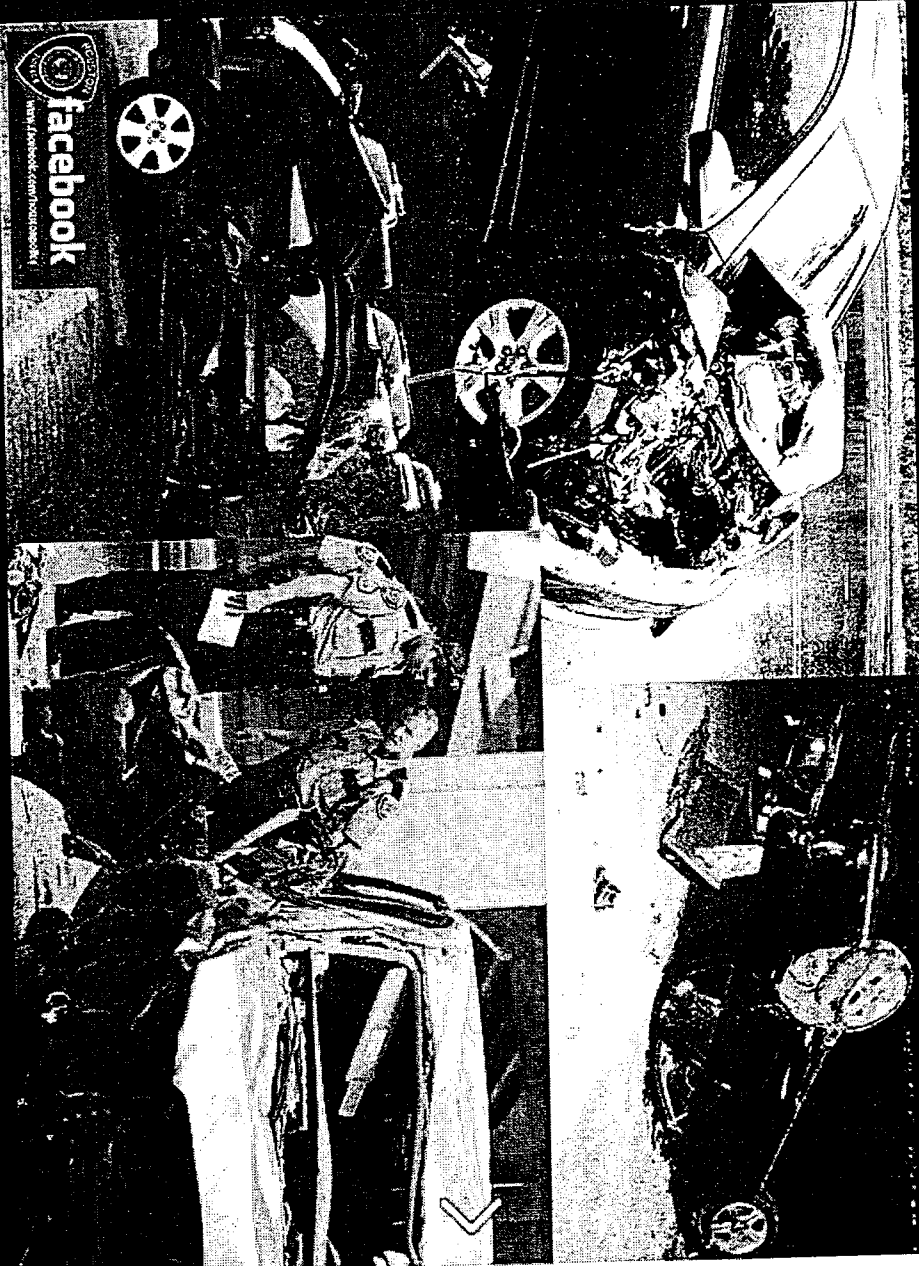
Recently, Senior Officer R. Midler and Probationary Officer S. Raj were dispatched as the primary unit to an Aggravated Robbery call. Officer J. Nelson heard the robbery call on the police radio and was in the area of the incident. Officer Nelson observed a male walking on the sidewalk matching the description of the possible robbery suspect. Senior Officer B. Conley was also in the immediate area and maintained visual of the suspect until other officers arrived. The suspect ran on foot across all lanes of traffic to an apartment complex. Officer Nelson gave responding units an accurate description and direction of travel of the suspect. It was later determined that the suspect had used a handgun and robbed a victim while she was working as a cashier inside a business.

Officer S. Girard, Officer J. Wilson, Officer D. Davidson, Officer J. Johnson, Officer J. Olive, Officer R. A. Gonzalez, Officer S. Alva and Officer J. Cruz responded quickly to the scene to search the immediate area and set up a perimeter for the K-9 unit which was heading to the scene as well. K-9 Officer M. Barnett arrived on scene and was quickly able to place his dog on the ground to search for the suspect. The K-9 Unit located the suspect hiding in a laundry room located on the third floor of the apartment complex without any officers or citizens getting injured. Senior Officer Midler and Probationary Officer Raj brought the



Make a comment...





**Houston Police Department**  
Liked · June 29 · 49

**Texting and Driving:** When a driver texts while driving, his reaction time will decrease by 35%. When texting, steering capability goes down by a tremendous amount; 91%.  
A driver is twenty three times more likely to get into a car accident while driving and texting. Drivers are also six times as likely to get into a car accident while dialing a number into their cellular devices.

Speeding: Speed is... See More

Tag Photo Add Location Edit

Like · Comment · Share · Edit  
153 people like this.

227 shares

View previous comments

Shella Wiora What about texting and biking?  
June 29 at 2:00pm · Like

Tiffany Burns Mom, chill.  
June 29 at 3:20pm · Like

Drew Dupre I understand that we need to be safer on the road but last time I check drunk driving kills more people than texting and driving. They are both bad but lets not loose sight of what really ruins people's lives  
July 2 at 12:58am · Like

Amber K Coyner True that  
July 2 at 1:16am · Like

Mel Nellis Haynie What should someone do or say if you witness a law enforcement personnel using his/her phone while driving? My passenger challenged me to photograph the incident, but I wasn't that brave.  
July 3 at 9:11am · Like

Cheryl Tilles How's that bumper sticker read? "Honk, if you love Jesus. Text while driving, if you want to meet Him."  
July 7 at 4:06pm · Like

Write a comment...





www.facebook.com/houstonpolice  
 facebook

Wall Photos

Tag Photo options Share Like



Houston Police Department  
 Liked · July 17

Recently, the HPD Mounted Patrol welcomed the ARC of Fort Bend County ([www.arcffortband.org](http://www.arcffortband.org)) to their facility. The ARC of Fort Bend County is an organization that is an advocate for special needs children and adults. HPD Mounted patrol put on a demonstration for all who attended. Everyone had great time learning about horses, Mounted Patrol duties and even got to feed the horses their favorite... See More

Tag Photo Add Location Edit

Like · Comment · Share · Edit

132 people like this.

24 shares

View previous comments



Dariean Hilton Newman I am extremely blessed in this life, that my husband is a K9 officer and I get to visit the horses often at the stables... They truly love the attention. =>

July 17 at 10:06am · Like



Jamin Stocker Law enforcement helps maintain class division. Great work HPD.

July 17 at 10:40am · Like



Christel Sundberg Berry Awesome!!!

July 17 at 10:49am · Like



Julie Stocunb Izard

July 17 at 11:09am · Like



Brandt Hammond Shadow surfing!!

July 17 at 12:43pm · Like



You're First LLC This is wonderful. You're First LLC we provide pet therapy and respite care to children and adults in need of special care. We know the difference an animal can make in the lives of these children and young men and women. Thank you Houston Police Department for taking the time and sharing compassion with those who came to visit.

July 18 at 8:44am · Like

Write a comment...





**Houston Police Department**  
 Liked · July 13

On May 29, 2011, Officer Kevin Will was struck and killed by a drunk driver as he investigated a hit-and-run accident involving a motorcyclist on the Loop 610 North, near Yale Street, at approximately 3:15 am.

Officer Will was interviewing a witness to the motorcycle accident when the drunk driver drove around barriers and emergency vehicles that were blocking the closed freeway, seeing the vehic... See More

Tag Photo Add Location Edit

Like · Comment · Share · Edit  
 424 people like this.

73 shares

View previous comments

6 of 63

Linda Yavrin "hero" forever, thanks for your service. To your family my deepest sympathys  
 July 14 at 8:55am · Like

Steve O Steve Rest In Peace officer Will, my your family also find peace. Your watch has ended, your brothers & sisters will take it from here.  
 July 14 at 1:12pm · Like

Bryan Ingram that nice  
 July 14 at 6:44pm · Like

Ann Wright Arcrey god needed another officer for his service R.I.P.  
 July 15 at 5:13pm · Like

Frances Marie Lemley-Ball My prayers go out to the family. I lost my brother officer Francis Eddie Wright in 75 to a hit & run driver same as Kevin  
 July 15 at 7:30pm · Like

#TAXI We send our thoughts and prayers to the family and all who serve and try to prevent such tragedies

Write a comment...

Wall Photos

Tag Photo Options Share Like



WWW.HPDCAREER.COM



Houston Police Department  
Issued: August 17, 2024

1896 - August 17<sup>th</sup>

Add a description

Tag Photo Add Location Edit

[Like · Comment · Share · Edit](#)

👍 203 people like this.

19 shares

 [View previous comments](#)

**Aaron Paul Hamilton** EGYPT YOU GOT A BIG

August 17 at 8:14pm - Libe

 Houston Police Department Thank you for supporting the HPD Facebook Fan Page.

August 20 at 6:43am - Libe

**Elias Cussi** David you're welcome

● ● ●

● ● ●

**Jose Juan Godoy YOUR WELCOME**

August 22 at 11:17am - Like

**Write a comment.**

Write a comment...



“Alpos”

www.facebook.com/alposhouston

Alpos Houston

https://www.facebook.com/alposhouston

Some Little Known Facts (2) Cross Creek Ranch New Tab Official Seal Maker Japan Invents the Sh... Select a photo effect... Texts From Dog X Funny: More cats in cr... Google

facebook

Search for people, places and things

Alpos Houston

Worked at: Houston Police Department  
Studied at: Houston Police Department  
Lives in: Houston, Texas  
From: Houston, Texas

About

Friends 1,217 Photos 61 Map 8 Likes 24

Update info Activity Log 3

Change Cover

Alpos Houston | Home

Now

August

July

2012

2011

2010

2009

2008

2007

2006

2005

2004

2003

2002

2001

2000

1999

1998

1997

1996

1995

1994

1993

1992

1991

1990

1989

1988

1987

1986

1985

1984

1983

1982

1981

1980

1979

1978

1977

1976

1975

1974

1973

1972

1971

1970

1969

1968

1967

1966

1965

1964

1963

1962

1961

1960

1959

1958

1957

1956

1955

1954

1953

1952

1951

1950

1949

1948

1947

1946

1945

1944

1943

1942

1941

1940

1939

1938

1937

1936

1935

1934

1933

1932

1931

1930

1929

1928

1927

1926

1925

1924

1923

1922

1921

1920

1919

1918

1917

1916

1915

1914

1913

1912

1911

1910

1909

1908

1907

1906

1905

1904

1903

1902

1901

1900

1899

1898

1897

1896

1895

1894

1893

1892

1891

1890

1889

1888

1887

1886

1885

1884

1883

1882

1881

1880

1879

1878

1877

1876

1875

1874

1873

1872

1871

1870

1869

1868

1867

1866

1865

1864

1863

1862

1861

1860

1859

1858

1857

1856

1855

1854

1853

1852

1851

1850

1849

1848

1847

1846

1845

1844

1843

1842

1841

1840

1839

1838

1837

1836

1835

1834

1833

1832

1831

1830

1829

1828

1827

1826

1825

1824

1823

1822

1821

1820

1819

1818

1817

1816

1815

1814

1813

1812

1811

1810

1809

1808

1807

1806

1805

1804

1803

1802

1801

1800

1799

1798

1797

1796

1795

1794

1793

1792

1791

1790

1789

1788

1787

1786

1785

1784

1783

1782

1781

1780

1779

1778

1777

1776

1775

1774

1773

1772

1771

1770

1769

1768

1767

1766

1765

1764

1763

1762

1761

1760

1759

1758

1757

1756

1755

1754

1753

1752

1751

1750

1749

1748

1747

1746

1745

1744

1743

1742

1741

1740

1739

1738

1737

1736

1735

1734

1733

1732

1731

1730

1729

1728

1727

1726

1725

1724

1723

1722

1721

1720

1719

1718

1717

1716

1715

1714

1713

1712

1711

1710

1709

1708

1707

1706

1705

1704

1703

1702

1701

1700

1699

1698

1697

1696

1695

1694

1693

1692

1691

1690

1689

1688

1687

1686

1685

1684

1683

1682

1681

1680

1679

1678

1677

1676

1675

1674

1673

1672

1671

1670

1669

1668

1667

1666

1665

1664

1663

1662

1661

1660

1659

1658

1657

1656

1655

1654

1653

1652

1651

1650

1649

1648

1647

1646

1645

1644

1643

1642

1641

1640

1639

1638

1637

1636

1635

1634

1633

1632

1631

1630

1629

1628

1627

1626

1625

1624

1623

1622

1621

1620

1619

1618

1617

1616

1615

1614

1613

1612

1611

1610

1609

1608

1607

1606

1605

1604

1603

1602

1601

1600

1599

1598

1597

1596

1595

1594

1593

1592

1591

1590

1589

1588

1587

1586

1585

1584

1583

1582

1581

1580

1579

1578

1577

1576

1575

1574

1573

1572

1571

1570

1569

1568

1567

1566

1565

1564

1563

1562

1561

1560

1559

1558

1557

1556

1555

1554

1553

1552

1551

1550

1549

1548

1547

1546

1545

1544

1543

1542

1541

1540

1539

1538

1537

1536

1535

1534

1533

1532

1531

1530

1529

1528

1527

1526

1525

1524

1523

1522

1521

1520

1519

1518

1517

1516

1515

1514

1513

1512

1511

1510

1509

1508

1507

1506

1505

1504

1503

1502

1501

1500

1499

1498

1497

1496

1495

1494

1493

1492

1491

1490

1489

1488

1487

1486

1485

1484

1483

1482

1481

1480

1479

1478

1477

1476

1475

1474

1473

1472

1471

1470

1469

1468

1467

1466

1465

1464

1463

1462

1461

1460

1459

1458

1457

1456

1455

1454

1453

1452

1451

1450

1449

1448

1447

1446

1445

1444

1443

1442

1441

1440

1439

1438

1437

1436

1435

1434

1433

1432

1431

1430

1429

1428

1427

1426

1425

1424

1423

1422

1421

1420

1419

1418

1417

1416

1415

1414

1413

1412

1411

1410

1409

1408

1407

1406

1405

1404

1403

1402

1401

1400

1399

1398

1397

1396

1395

1394

1393

1392

1391

1390

1389

1388

1387

1386

1385

1384

1383

1382

1381

1380

1379

1378

1377

1376

1375

1374

1373

1372

1371

1370

1369

1368

1367

1366

1365

1364

1363

1362

1361

1360

1359

1358

1357

1356

1355

1354

1353

1352

1351

1350

1349

1348

1347

1346

1345

1344

1343

1342

1341

1340

1339

1338

1337

1336

1335

1334

1333

1332

1331

1330

1329

1328

1327

1326

1325

1324

1323

1322

1321

1320

1319

1318

1317

1316

1315

1314

1313

1312

1311

1310

1309

1308

1307

1306

1305

1304

1303

1302

1301

1300

1299

1298

1297

1296

1295

1294

1293

1292

1291

1290

1289

1288

1287

1286

1285

1284

1283

1282

1281

1280

1279

1278

1277

1276

1275

1274

1273

1272

1271

1270

1269

1268

1267

1266

1265

1264

1263

1262

1261

1260

1259

1258

1257

1256

1255

1254

1253

1252

1251

1250

1249

1248

1247

1246

1245

1244

1243

1242

1241

1240

1239

1238

1237

1236

1235

1234

1233

1232

1231

1230

1229

1228

1227

1226

1225

1224

1223

1222

1221

1220

1219

1218

1217

1216

1215

1214

1213

1212

1211

1210

1209

1208

1207

1206

1205

1204

1203

1202

1201

1200

1199

1198

1197

1196

1195

1194

1193

1192

1191

1190

1189

1188

1187

1186

1185

1184

1183

1182

1181

1180

1179

1178

1177

1176

1175

1174

1173

1172

1171

1170

1169

1168

1167

1166

1165

1164

1163

1162

1161

1160

1159

1158

1157

1156

1155

1154

1153

1152

1151

1150

1149

1148

1147

1146

1145

1144

1143

1142

1141

1140

1139

1138

1137

1136

1135

1134

1133

1132

1131

1130

1129

1128

1127

1126

1125

1124

1123

1122

1121

1120

1119

1118

1117

1116

1115

1114

1113

1112

1111

1110

1109

1108

1107

1106

1105

1104

1103

1102

1101

1100

1099

1098

1097

1096

1095

1094

1093

1092

1091

1090

1089

1088

1087

1086

1085

1084

1083

1082

1081

1080

1079

1078

1077

1076

1075

1074

1073

1072

1071

1070

1069

1068

1067

1066

1065

1064

1063

1062

1061

1060

1059

1058

1057

1056

1055

1054

1053

1052

1051

1050

1049

1048

1047

1046

1045

1044

1043

1042

1041

1040

1039

1038

1037

1036

1035

1034

1033

1032

1031

1030

1029

1028

1027

1026

1025

1024

1023

1022

1021

1020

1019

1018

1017

1016

1015

1014

1013

1012

1011

1010

1009

1008

1007

1006

1005

1004

1003

1002

1001

1000

999

998

997

996

995

994

993

992

991

990

989

988

987

986

985

984

983

982

981

980

979

978

977

976

975

974

973

972

971

970

969

968

967

966

965

964

963

962

961

960

959

958

957

956

955

954

953

952

951

950

949

948

947

946

945

944

943

942

941

940

939

938

937

936

935

934

933

932

931

930

929

928

927

926

925

924

923

922

921

920

919

918

917

916

915

914

913

912

911

910

909

908

907

906

905

904

903

902

901

900

899

898

897

896

895

894

893

892

891

890

889

888

887

886

885

884

883

882

881

880

879

878

877

876

875

874

873

872

871

870

869

868

867

866

865

864

863

862

861

860

859

858

857

856

855

854

853

852

851

850

849

848

847

846

845

844

843

842

841

840

839

838

837

836

835

834

833

832

831

830

829

828

827

826

825

824

823

822

821

820

819

818

817

816

815

814

813

812

811

810

809

808

807

806

805

804

803

802

801

800

799

798

797

796

795

794

793

792

791

790

789

788

787

786

785

784

783

782

781

780

779

778

777

776

775

774

773

772

771

770

769

768

767

766

765

764

763

762

761

760

759

758

757

756

755

754

753

752

751

750

749

748

747

746

745

744

743

742

741

740

739

738

737

736

735

734

733

732

731

730

729

728

727

726

725

724

723

722

721

720

719

718

717

716

715

714

713

712

711

710

709

708

707

706

705

704

703

702

701

700

699

698

697

696

695

694

693

692

691

690

689

688

687

686

685

684

683

682

681

680

679

678

677

676

675

674

673

672

671

670

669

668

667

666

665

664

663

662

661

660

659

658

657

656

655

654

653

652

651

650

649

648

647

646

645

644

643

642

641

640

639

638

637

636

635

634

633

632

631

630



BLOG  
[www.hpadblog.com](http://www.hpadblog.com)



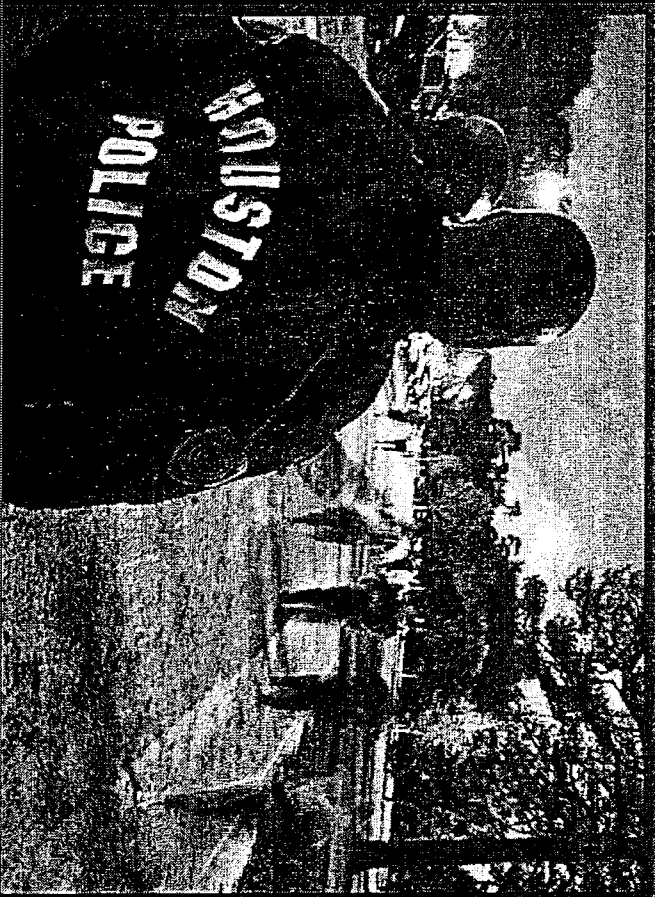
# Houston Police Department

## Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

Friday, July 9, 2012

Run With Your Recruiter



Physical Agility Test

Click here to watch the video

Run With Your Recruiter



Next event September 21, 2012

Currently Accepting Applications



Click here for more information

Ask Officer McCoy



# Houston Police Department Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

Wednesday, October 12, 2011

210 Update - OFFICER Gemmill



I can't believe that I have graduated from the academy and in my field training program already. During the academy time seemed to crawl by, but looking back at it now, it seems the time I spent there just flew by.

It was amazing how many people - our family, friends, and fellow officers showed up at our graduation. I felt really proud to be marching with the rest of 210 and receiving my badge with them. We all worked so very hard to get to the end and have the badge finally placed on our uniform.

Physical Agility Test

Click here to watch the video

Run With Your Recruiter

Next event September 21, 2012

Currently Accepting Applications

Click here for more information

Ask Officer McCoy

1st

Social Media Class 09...

Houston Police Depart...

Friends, Stuck (Unlabeled)

Unsaved Project - N...

12:44



# Houston Police Department

## Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

Tuesday, Aug 21, 2012

History of HPD

AUGUST 1955



**POLICE SCHOOL GOES CO-ED**  
Police Chief Jack Howard shows four police women trainees—the first in the history of the police training school—around the station. The women were among a class of 51 which Monday began a 13-week course. They are wives of officers. They are, left to right, Mrs. Jo Jackson, wife of Patrolman J. C. Bonaston, Mrs. Mary Jackson, Mrs. Addie Jean Smith, wife of Patrolman B. R. Smith, Mrs. Mary Jackson, Mrs. Addie Jean Smith, wife of Patrolman B. R. Smith, Mrs. Mary Jackson, Mrs. Addie Jean Smith, wife of Patrolman B. R. Smith.

Physical Agility Test

Click here to watch the video!

Run With Your Recruiter



Next event: September 21, 2012

Currently Accepting Applications



Click here for more information!

Ask Officer McCoy





# Houston Police Department Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

Tuesday, May 29, 2012

It's much more than fighting crime, it's about serving your community.



Physical Agility Test

Click here to watch the video! >

Run With Your Recruiter



Next event September 21, 2012

Currently Accepting  
Applications



Click here for more information >

Ask Officer McCoy



Twitter

www.twitter.com/houstonpolice





# houston police

@houstonpolice

Houston, Texas · <http://www.houstonpolice.org>

Follow

467 TWEETS

5 FOLLOWING

2,299 FOLLOWERS

## Follow houston police

Full name

Email

Password

Sign up

## Tweets



**houston police** @houstonpolice

16 Aug

HPD is now working to determine the status of these identified kits. Testing is being both conducted in-house and outsourced. #hounews  
Expand ← Reply ↻ Retweet ★ Favorite



**houston police** @houstonpolice

16 Aug

Chief: HPD has made strides in the testing of sexual assault kits. An inventory has been completed #hounews  
Expand



**houston police** @houstonpolice

16 Aug

Chief: HPD is prepared everyday to protect all citizens throughout Houston, including all educational and religious institutions. #hounews  
Expand



**houston police** @houstonpolice

16 Aug

Harris County remains at the top with the number of fatality accidents with impaired drivers. This number needs to change. #hounews  
Expand



**houston police** @houstonpolice

16 Aug

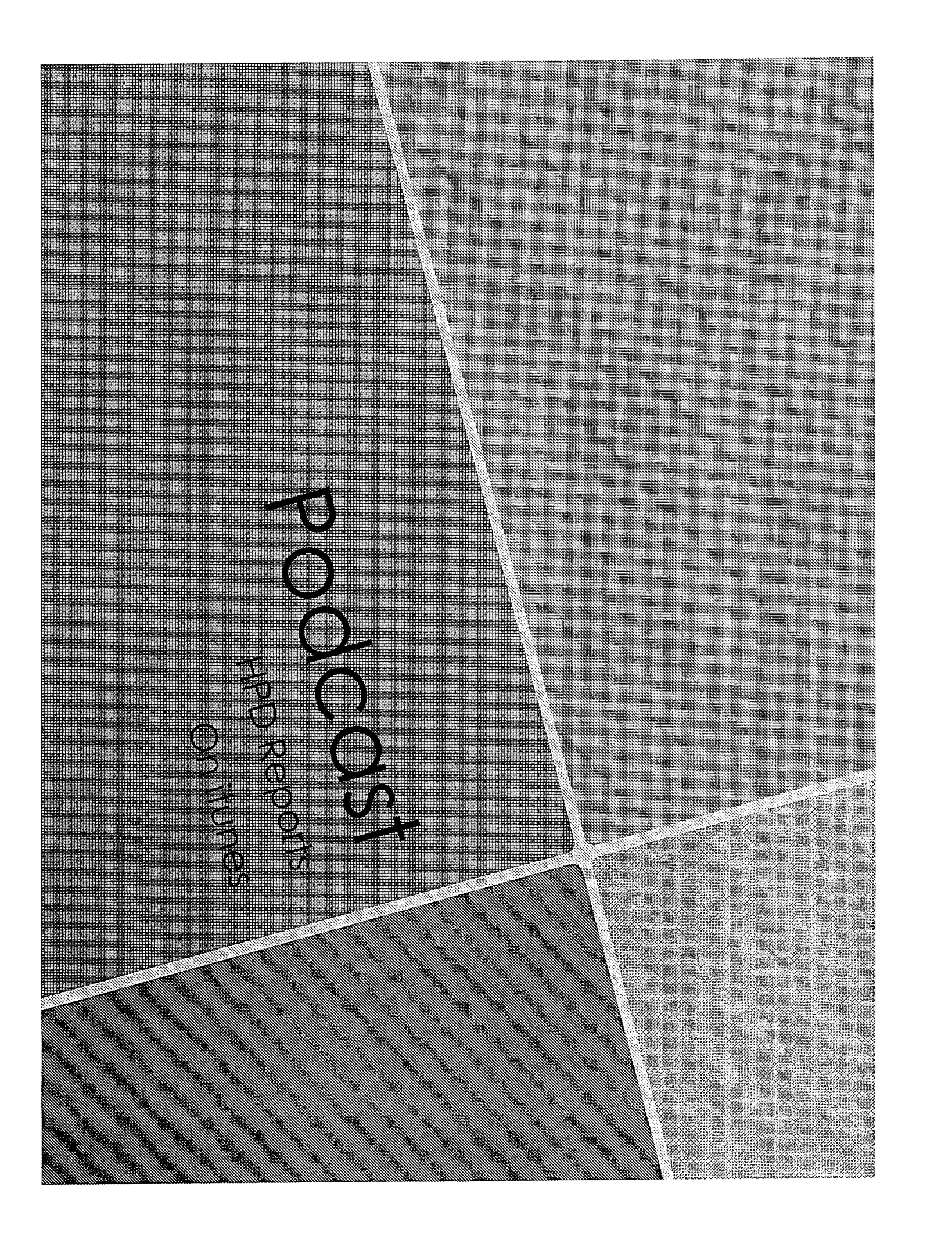
Chief: Labor day holiday is near. Many times there are an increase in accidents. Remember - don't drink and drive #hounews  
Expand



**houston police** @houstonpolice

16 Aug





# Podcast

HPD Reports  
on iTunes



# HPD Reports

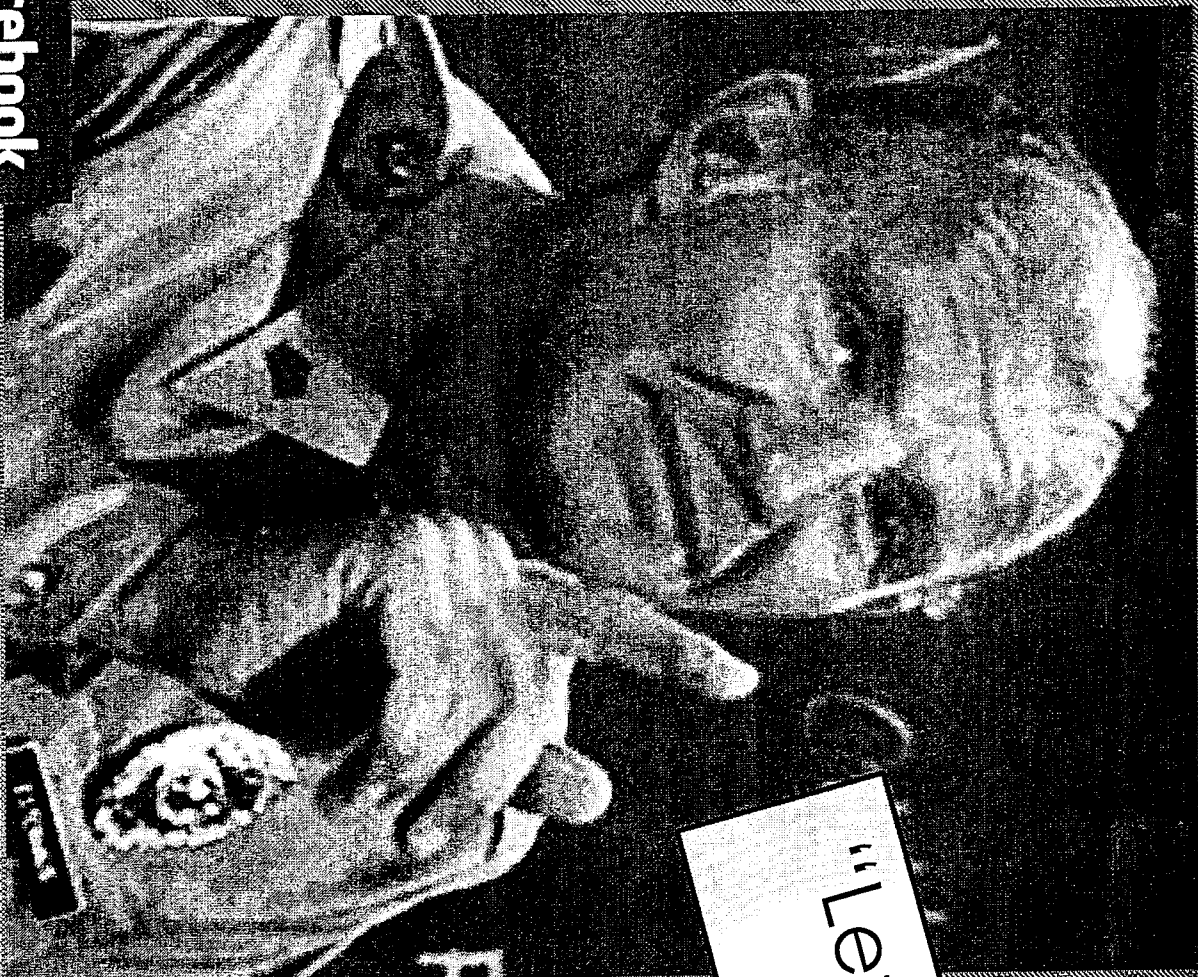




# In Conclusion...







"Let's be careful"  
out there..."



**Texas Commission On Law Enforcement  
Officer Standard And Education**

**Houston Police Academy**

**Instructor Lesson Plan**

**Subject:** Investigations-Using Social Media

**Unit:** Criminal Investigations & Technology

**TCLEOSE#:** 3200

**HPD#:** 2926

**Instructors:** SPO John N. Johnson, CISSP, CEH  
SPO Gordon M Garret

**Phone:** [REDACTED]  
[REDACTED]

**Time Allotted:** Eight (8) hours

**Instructor Aids:** PowerPoint presentation, digital projection system

**Student Materials:** None

**Prerequisite Experience of the Learners:** Assigned to investigative division or unit

**Goal:** The objective of this course is to prepare investigators to use social networking and social media sites for investigative purposes while protecting privacy and staying within law enforcement professional guidelines.

A secondary objective is to understand the operating rules of the various social media sites, none of which are uniformly defined by service providers or understood by the people who use the service.

**Date Prepared:** November 8, 2011

**Date Revised:**

**Prepared By:** SPO John N. Johnson, CISSP, CEH, SEC+

**Revised By:**



## **Course Schedule**

### **1<sup>st</sup> Hour**

**0800-0815 - Introduction and discussion of course goals**  
**0815-0850 - Introduction to Social Networking Sites**  
**0850-0900 - Break**

### **2<sup>nd</sup> Hour**

**0900-0950 - Overview of Key Social Networking Sites**  
**0950-1000 - Break**

### **3<sup>rd</sup> Hour**

**1000-1050 - Case Studies and Review of Successful Investigations**  
**1050-1230 - Lunch**

### **4<sup>th</sup> Hour**

**1230-1320 - Capturing Evidence and Working with Site Administrators**  
**1320-1330 - Break**

### **5<sup>th</sup> Hour**

**1330-1420 - Utilities and Resources**  
**1420-1430 - Break**

### **6<sup>th</sup> Hour**

**1430-1520 - Additional Legal and Practical Issues**  
**1520-1530 - Break**

### **7<sup>th</sup> Hour**

**1530-1600 - Review and Q/A**



## Instructor Lesson Plan (1<sup>st</sup> Hour)

**Subject:** 1<sup>st</sup> Hour - Introduction to Social Networking Sites

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 35 Minutes (0815-0850)

**Learning Objectives:** Understanding what social networking is and the various Internet sites and services that exist, and how they are used.

### **Lesson Objectives:**

1. Acquaint the Learners with the vast number and types of social networking and social media sites.
2. Discuss how social networking sites operate, the services provided by each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### **Key Topic Points**

### **Elaboration on Key Points**

What is Social Networking	Social networking sites provide people with a virtual environment where they share stories, pictures, videos, and participate in chat rooms with friends and acquaintances.
Examples of Social Networking sites	Facebook – general Myspace.com – general Twitter - micro-blogging LinkedIn – professional Classmates.com - school, college, work, and the military YouTube – videos Craigslist - classifieds & personal ads Zynga – online games
The Rise of Online Social Networks	Review of Social Networking and Social Media sites, popularity based upon subscribership, demographics, regional



	<p>influence, subscriber interests, and site capabilities</p> <p>Social networking sites have a wealth of information but also can be full of pitfalls and danger. Law enforcement officers should have a basic understanding of social networking sites and the utility and dangers they present.</p> <p>Any attempt to definitively understand technology opens a huge can of worms. The problem is the advancement of technology basically doubles every 10 years. It is hard to keep up, because once training is developed and conducted, new technology and new uses of the technology occur.</p> <p>The Internet itself is still a rather new tool to society. It was only two decades ago when it was first available for public consumption.</p> <p>According to the Pew Internet &amp; American Life Project (2010):</p> <p>75% of U.S. Internet users between the ages of 18-24 and 57% of users between the ages of 25-34 have a profile on a social networking site.</p> <p>Of those, 51% have more than one profile.</p> <p>36% allow everyone to view their profile.</p> <p>96% have “friends” they have never met face-to-face.</p> <p>The 2010 global average time spent per person on social networking sites was ~ 5.5 hours per month.</p>
The Basics – How Social Networking Works	<p>Unlike traditional Web sites, where users are limited to passive viewing, social networking sites permit users to create personal profiles; post photographs, videos, and audio clips; write blog entries and status updates; send and receive private messages; and link to pages of others (“friends”)</p> <p>It is not uncommon for a person on Facebook,</p>



	<p>MySpace or other social networking sites to have 300 plus friends located all around the globe.</p> <p>From a law enforcement perspective, there are three basic criminal uses for social networking sites:</p> <ol style="list-style-type: none"> <li>1) Recruitment – i.e. Gangs and/or narcotics – what age group are they targeting; go where they are.</li> <li>2) Intimidation – i.e. Gangs and/or criminal enterprises – send broad messages to your affiliates, rivals, and possible informants</li> <li>3) Operations – Private profiles provide a powerful collaboration platform with very weak attribution</li> </ol>
Utility In Criminal Cases	<p>Evidence from social networking sites can:</p> <ol style="list-style-type: none"> <li>1) Reveal personal communications</li> <li>2) Establish motives and personal relationships</li> <li>3) Provide location information</li> <li>4) Prove and disprove alibis</li> <li>5) Establish crime or criminal enterprises</li> <li>6) Lead to discovery of instrumentalities or fruits of crime</li> </ol>
Things To Look For	<ol style="list-style-type: none"> <li>1) Name, date-of-birth (age), sex, race, current geographical location, hometown, high school/college attended, preferred E-mail address, cell phone number, sexual preference, relationship interests, clubs and affiliations, favorites movies and TV shows, favorites books, favorite quotes, employment type and title, work history, etc</li> <li>2) picture, audio, and video files</li> <li>3) Meta data</li> </ol>



	<ol style="list-style-type: none"> <li>4) Information concerning URLs and "favorite" sites</li> <li>5) Internet protocol addresses and other location identifiers</li> <li>6) Internet Service Provider address and Internet subscriber information</li> <li>7) Social networking profiles of friends and associates</li> <li>8) Business and personal activities</li> <li>9) Frequency of postings or site usage</li> <li>10) Social, business, and other group affiliations</li> <li>11) Evidence of uploaded content and postings</li> <li>12) Payment method in those very few instances where services are not free</li> </ol>
--	---



## Instructor Lesson Plan (2<sup>nd</sup> Hour)

**Subject:** 2<sup>nd</sup> Hour – Overview of Key Social Networking Sites

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 50 Minutes (0900-0950)

**Learning Objective:** Understanding the most popular social networking sites and the features they provide.

1. **Lesson Objectives:** Acquaint the Learners with the most popular social networking and social media sites.
2. Discuss the functionality and services of the most popular sites, how they operate, the profiles (characteristics) of typical users of each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### Key Topic Points

### Elaboration on Key Points

Facebook	<ol style="list-style-type: none"><li>1) Founded in 2004, initially catering to students</li><li>2) 35 years and older is the largest growing demographic group</li><li>3) Now over 800 million active users worldwide</li><li>4) More than 50% of active users log-on in any given day</li><li>5) Average user has 130 friends</li><li>6) Average user is connected to 80 community pages, groups and events</li><li>7) More than 7 million apps and websites are integrated with Facebook</li><li>8) More than 350 million active users currently access Facebook through their mobile devices</li><li>9) Source: <a href="http://www.facebook.com/press/info.php?statistics">http://www.facebook.com/press/info.php?statistics</a> (11-9-2011)</li><li>10) Over 480,000 new members join every day</li><li>11) Over 30 billion photographs stored system-wide; Facebook adds an estimated 1 billion additional photographs each month</li></ol>
----------	--



	<ul style="list-style-type: none"> <li>12) Subscribers are encouraged to use their real names but not guaranteed</li> <li>13) Privacy model is highly granular; presents different information to different groups or individuals; Recent changes in privacy settings as a result of criticism but new features are typically not very private</li> <li>14) Messaging includes mail, real-time chat, and each user's "wall"</li> <li>15) Frequently used in private background checks and pre-employment screening</li> <li>16) Site functionality has been used to deliver viruses and malware, and to provide Command &amp; Control for network Bots</li> </ul>
MySpace	<ul style="list-style-type: none"> <li>1) Founded in 2003; now owned by Fox Interactive Media</li> <li>2) Was most popular social networking site in 2006</li> <li>3) Hit 100 million accounts on August 9, 2006</li> <li>4) Was passed-up in popularity by Facebook in 2008</li> <li>5) Currently has 64.2 million active users</li> <li>6) The use of true names is less encouraged than Facebook</li> <li>7) Messaging through Instant Message, Chat, and Friend Updates</li> <li>8) Application platform added in 2008 in response to Facebook's platform</li> <li>9) Younger user base; history of child safety concerns</li> <li>10) Privacy is less granular and less effective than Facebook's settings</li> </ul>
Twitter	<ul style="list-style-type: none"> <li>1) Began in mid-2000 as a "status message" service but has become the leader in "micro-blogging" - subscribers use mobile devices to maintain presence</li> <li>2) Over 200 million registered users but only ~75 million are active.</li> <li>3) Average usage is approximately 600 tweets per second.</li> <li>4) Highly cross-platform capable and easy to use but storage space is limited</li> <li>5) Popularly used for Breaking news and real-time updates of events</li> <li>6) Multi-media is handled by 3<sup>rd</sup> party links to other providers</li> <li>7) Popular with hacking groups, including Anonymous</li> <li>8) Simple privacy model: updates are either</li> </ul>



	<p>Public or Private</p> <ol style="list-style-type: none"> <li>9) Direct messages are private; Sender can delete messages even after they are sent</li> <li>10) Stores shortened versions of URLs which are used to direct other users to resources – also is used to spread malicious links and program code</li> <li>11) Most Twitter profile information is public, so anyone can see it</li> <li>12) A Twitter profile contains a profile picture, background image, and status updates called Tweets</li> <li>13) Users have the option to fill out location information, a URL, and a short “Bio” section about themselves for display on their public profile</li> <li>14) Twitter does not provide multimedia (photos or videos) hosting other than for a user’s profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3<sup>rd</sup> party</li> </ol>
WordPress	<ol style="list-style-type: none"> <li>1) WordPress started in 2003 as a service where everyone could be empowered with a voice. It has grown to be the</li> <li>2) largest self-hosted blogging tool in the world, used on millions of sites and seen by tens of millions of people every day.</li> <li>3) WordPress started as just a blogging system, but has evolved to be used as full content management system and so much more through the thousands of plugins, widgets, and themes</li> <li>4) WordPress is a free blogging tool and publishing platform. WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August 2011 powers 22% of all new websites on the Internet.</li> </ol>
LinkedIn	<ol style="list-style-type: none"> <li>1) Business-focused with enforced limits to interaction between users</li> <li>2) Currently at 90 million user accounts spread over 200 countries</li> <li>3) Currently has 21.4 unique active users each month</li> <li>4) 25 years to 35 years is the largest demographic group</li> <li>5) Targets professionals allowing members to create a profile describing professional backgrounds and facilitates communication</li> </ol>



	<p>with others</p> <p>6) Profiles segregated based on education and/or work experience</p> <p>7) Use for criminal communications appears to be limited</p> <p>8) Can be used to identify people with certain knowledge areas/expertise</p> <p>9) No reliability checks performed on profile information</p> <p>10)</p>
--	--



## **Instructor Lesson Plan** (3<sup>rd</sup> Hour)

**Subject:** 3<sup>rd</sup> Hour - Case Studies and Review of Successful Investigations

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 50 Minutes (1000-1050)

**Learning Objectives:** Understanding case studies and investigations involving social networking evidence.

**Lesson Objectives:**

1. Acquaint the Learners with various outside (non-HPD) and inside (HPD) investigations that made use of social networking.
2. Acquaint the Learners with the implications of social networking to prosecution of offenders
3. Acquaint the Learners with the implications of social networking for defense of offenders

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### **Key Topic Points**

### **Elaboration on Key Points**

Outside Investigations	<ol style="list-style-type: none"><li>1) Swave Carter, 19, of Cleveland, OH was arrested for robbery, kidnap, and assault after investigators noticed him wearing a coat in his Facebook profile which was stolen from a 17-year-old robbery victim.</li><li>2) Rudy Guede, wanted in the murder of British student Meredith Kercher was arrested in Germany after being on the run for almost a year.</li></ol> <p>The trail leading to Guede was cold until he logged into Facebook, enabling police to trace his computer.</p> <p>Guede is serving a 16-year sentence while co-defendants Amanda Knox and</p>
------------------------	--



	<p>Raffaele Sollecito were acquitted on appeal.</p> <p>3) Louisville, KY police arrested Shaun South and are looking for his friend, Kyle Bieber, after it was learned they had committed a series of burglaries and were bragging about it on South's Facebook profile.</p> <p>Investigators sent South a friend request posing as an attractive young female.</p> <p>The pair were planning additional crimes using Facebook messages and chats.</p> <p>4) A retired HPD Officer working in Austin County as a financial crimes investigator had a case involving a woman who met a man on an Internet dating site. The man moved in with her, used her credit cards, and moved out before she got the bill.</p> <p>To locate the suspect, the investigator posted a fictitious Facebook account as a female and sent the suspect a friend request. After flirting with the suspect for a while, a date was arranged. The suspect was arrested when he arrived for the date. The investigator said, "He never figured out what happened. He was just "bummed that he never got to meet the pretty lady he had a date with".</p> <p>5) When 23-year-old Eric Walsh of Wilmington, DE overdosed on heroin the day after Christmas in 2009, Detective Pat Nally turned on Walsh's computer and looked at his Facebook and MySpace pages for clues.</p> <p>The profile led to the discovery of conversations between Walsh and his associates to buy and sell drugs.</p> <p>According to Nally, "People arrange to</p>
--	--



	<p>buy and sell drugs on Facebook; there's talk of what they may do and where they may go. We'd be foolish not to use it as an investigative tool."</p> <p>6) It wasn't a pretty picture for Crown Heights heroin dealer Tyrell "Handsome Rell" Blue, whose MySpace page featured a photo of himself with a wad of cash and a claim that he earned \$250,000 a year selling drugs at several night clubs.</p> <p>That information was used against him he was charged with five others with multiple counts of trafficking and selling narcotics.</p> <p>7) James Roberts, 27, bragged on his MySpace page a day after he mugged a man at a bus stop.</p> <p>Roberts sealed his fate with pictures of himself and his ill-gotten gain, which included an expensive watch and ring he swiped from the victim.</p> <p>Detectives showed the photo to the victim, who identified him and the stolen ring. Roberts and his partner, Darryl Calier, are serving five years each for robbery.</p> <p>8) Awais Younis, 25, also known as Mohhanme Khan and Sundullah Ghilzai, of Arlington, VA was charged with communicating threats after posting on Facebook that he intended to put pipe bombs on Metro cars in Georgetown at rush hour.</p> <p>Younis had posted instructions on Facebook about making pipe bombs and was chatting about what kind of shrapnel would cause the most damage.</p> <p>9) Detailed Case Study: The Murder of Kim Proctor</p>
HPD Investigations	1) HPD's Recruiting Division exercised



	<p>good due diligence by checking a prospective police cadet through social networking sites. The prospective employee was found to have a profile where he had posted photos of himself with gang paraphernalia and weapons.</p> <p>Further investigation revealed that the candidate was a former (or possibly current) gang member. The candidates' application for employment was denied.</p> <p>Researching social networking sites prevented the department from hiring a person who could have, at the least, been a gang sympathizer.</p> <p>2) An Officer with IFR was working an identity theft case. The primary suspect, Chanette Bell, was identified as a suspect in stealing identities, obtaining credit, and placing orders for gift cards at various locations. One location was able to provide clear video footage of the suspect and her accomplices, who were unknown.</p> <p>The investigator searched Facebook and learned the suspect had a Facebook profile. Her profile led to the profiles of Keyonna Randle and her boyfriend, Lakeith Bell. Photographs of all suspects were subsequently identified as being the persons in the crime scene video.</p> <p>All three were charged with Engaging in Organized Criminal Activity.</p> <p>3) A Robbery investigator set up a fictitious Facebook account sent friendship requests to suspects who had Facebook profiles.</p> <p>This made it possible to access to the suspect's photos, posts, and acquaintances, allowing the investigator was to discover leads that would have otherwise gone undetected.</p>
--	--



Topics on Prosecution	<ol style="list-style-type: none"> <li>1) Tell your victims and witnesses NOT to communicate about the case or the suspect at ALL, let alone on Facebook, MySpace or any other such forum.</li> <li>2) Always be professional – remember that you are a police officer 24/7. Don't say anything you would not want attributed to you or the department on the front page of <i>The New York Times</i></li> </ol>
Topics on Defense (Case Studies)	<ol style="list-style-type: none"> <li>1) Defense Attorney Steve Balash of Santa Barbara was defending Jessica Binkard in a DUI case where in which one of Binkard's passengers was killed.  Balash expected Binkard would be placed on probation but, instead, she was sentenced to 5 years and 4 months behind bars – in large part because her MySpace profile had a picture of her holding a shot glass and an alcohol advertisement that was published after the accident.  Balash argued that the picture was a Halloween costume and that his client had not been drinking. According the Balash, "That's all the judge talked about. He never got past that." He said Binkard had "learned no lesson and showed no remorse."</li> <li>2) June 2010 – Matthew Cordova got 5 years in prison for holding up a University of Arizona student with a gun.  Jonathan Mosher, a deputy county attorney in Pima County found a MySpace picture of Cordova holding the weapon and postings about it.  "At sentencing, the defense team was trying to portray him as a guy who had found religion and was very peaceful and hadn't been in much trouble, so that's where we were able to use his MySpace posting and photo, " Mosher</li> </ol>



said.

- 3) Joshua Lipton was sentenced to 2 years in prison for seriously injuring a woman while driving drunk.

A photo showing Lipton dressed in an "inmate" Halloween costume labeled "jail bird", was taken two weeks after the accident and posted on Lipton's MySpace page.

Prosecutors used it to paint Lipton as an unrepentant partier who lived it up while his victim recovered in the hospital.

A judge agreed, calling the pictures depraved while sentencing Lipton.

- 4) In the case of U.S. v. Gregory Alan Ebersole, 263 Fed. Appx. 251 (3<sup>rd</sup>. Cir. 2008), The defendant's MySpace page was admitted at a supervised release revocation hearing after prosecutors found a posting of the lyrics to a Skanska song called "*Justice Is Coming*" – which go like this:

I used to love her,  
but I had to kill her,  
I had to put her,  
Six feet under,  
And I can still hear her complain.

Ebersole's post concluded:

"I vowed justice against my false accuser and I have never broken my word of honor...I honestly don't know how much time is left before she forces my hand.

Ebersole's attorney argued the MySpace posting was nothing more than a "vehicle to voice [his] frustration. The District Court didn't buy the argument and found that Ebersole's post violated the conditions of his supervised release because it was



	reasonable to assume the message would reach the victim and any reasonable person would interpret it as a threat.



## Instructor Lesson Plan (4<sup>th</sup> Hour)

**Subject:** 4<sup>th</sup> Hour – Capturing Evidence and Working with Site Administrators

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 50 Minutes (1230-1320)

**Learning Objectives:** Understanding how proactive versus reactive investigations should be handled, various tools that may be helpful in those investigations, and methods to capture on-screen information for case records.

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

### **Lesson Objectives:**

1. Acquaint the Learners with considerations regarding proactive and reactive investigations.
2. Acquaint the Learners with various investigative tools
3. Acquaint the Learners with methods to capture on-screen information and videos.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### **Key Topic Points**

### **Elaboration on Key Points**

Reactive Investigations versus Proactive Investigations	<ol style="list-style-type: none"><li>1) Working with “profile holders” - citizen informants working as an agent for law enforcement</li><li>2) Authorized access to accounts</li><li>3) Unauthorized access to accounts</li><li>4) Fruit of the Poisoned Tree</li><li>5) USC 1030</li><li>6) Importance of staying in compliance with each site’s Terms of Service (TOS)</li></ol>
Investigative Tools	Facebook Visualizer @ <a href="http://www.lococitato.com">www.lococitato.com</a> <ol style="list-style-type: none"><li>1) Law Enforcement use ONLY</li><li>2) Technically violates Facebook’s Terms of Service</li><li>3) Free version explores up to 200 pages at once, and up to 50 friends per profile search; Allows for search through all downloaded pages (wall and info tables) and export as a JPG.</li><li>4) Licensed version (approx \$40.00 per PC) will explore up to 10,000 pages at once, and 10,000 friend connections per profile search; Allows for</li></ol>



	<p>information download for a permanent record;  Allows for View and Export of wall and info tabs for import into Excel, CSV, or other applications;  Allows for export of error log detailing all errors generated while mapping a network.</p> <p>1) MySpace Visualizer @ <a href="http://www.lococitato.com">www.lococitato.com</a></p> <p>Free version explores up to 200 pages at once;  Allows search through all downloaded pages and blogs, and export of the network as a JPG</p> <p>Licensed version (approx \$32.00 per PC) will explore up to 1,000 pages at once; Allows for load and save of all downloaded information including a permanent record of the page source; Allows for export of downloaded images and blogs as a CSV for import into Excel or other applications; Allows for View and Export of page source information; Allows for printing or export to PDF</p> <p>2) YT (YouTube) Visualizer @ <a href="http://www.lococitato.com">www.lococitato.com</a></p> <p>Free version explores up to 200 pages at once with search and view of all downloaded page and page source information</p> <p>Licensed version (approx \$24.00 per PC) will explore up to 1,000 pages at once; Allows for load and save of all downloaded information including a permanent record of the page source; Allows for export to CSV for import into Excel or other applications; Allows for export of the network as a JPG; Allows for printing or export to PDF</p> <p>3) pipl – Comprehensive People Search @ <a href="http://www.pipl.com">www.pipl.com</a></p> <p>People locator service with some free services and several “pay-for” deeper search and location options.</p> <p>Also known as "invisible web", the term "deep web" refers to a vast repository of underlying content, such as documents in online databases that general-purpose web crawlers cannot reach. The deep web content is estimated at 500 times that of the surface web, yet has remained mostly untapped due to the limitations of traditional search engines.</p>
--	---



	<p>Since most personal profiles, public records and other people-related documents are stored in databases and not on static web pages, most of the higher-quality information about people is simply "invisible" to a regular search engine.</p> <p>4) PrintKey (Screen Captures)</p> <p>5) Screen Recorder (Video Captures)</p>
Undercover Investigations	<p>1) Reasons for undercover investigations include a) communicating with suspects, b) gaining access to non-public information, and c) mapping social relationships and personal networks</p> <p>2) Covert nature of undercover investigations will almost certainly violate the site's Terms of Service</p> <p>3) U.S. v. Drew – if a law enforcement officer violates a site's Terms of Services, is that "otherwise illegal activity"?</p> <p>4) Detailed Case Study - U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)</p>
Complainants and Witnesses	<p>1) The knowledge that complainants and witnesses bring to an investigation with regard to social networking can be a valuable source of information to an investigation, but there are potential pitfalls as well.</p> <p>2) Most people access social network sites from the comfort and security of their homes and offices, and the anonymity afforded by this causes them to let their natural defenses down.</p> <p>3) Advise complainants and witnesses to NOT discuss cases on social networking sites.</p> <p>4) Follow the general rule to think very carefully about what you post.</p>
Use of Social Networking	<p>1) Use caution in "friending" judges, prosecutors, defense attorneys or others with whom you have or may have a professional relationship.</p> <p>2) Posts have a way of coming back to haunt people.</p>
Facebook	<p>1) Convicted sex offenders are prohibited from using Facebook and their accounts will be immediately disabled and all links broken once Facebook is notified; however, notification must be</p>



	<p>documented in the form of a) a link to a listing in a national sex offender registry, a link to an online news article, or court document.</p> <p>2) If a Facebook user deletes content from their account, Facebook will not be able to provide that content. Effectively, Facebook and the applicable Facebook user have access to the same content.</p> <p>3) Facebook's registered agent for service of process is: Custodian of Records, Facebook, Inc c/o Corporation Services Company 2730 gateway Oaks Drive Suite 100 Sacramento, CA 95833</p> <p>4) Facebook is unable to process subpoenas that fail to identify users by their Facebook User ID (UID) or email address associated with the account. UIDs can be found in the URL available in a browser displaying the account in question. In the URL: <a href="http://www.facebook.com/profile.php?id=1234567890">http://www.facebook.com/profile.php?id=1234567890</a>, the number 1234567890 is the UID.</p> <p>5) Facebook is unable to produce trial or deposition witnesses on user account records; however, Facebook's custodian testimony will accompany the return of any records resulting from a subpoena.</p> <p>6) Facebook reserves the right to notify users prior to responding to any CIVIL subpoena, and to delay any compliance to allow its users to move to quash or otherwise resist a subpoena.</p>
MySpace	<p>1) Information that is collected at sign-up includes: a) email address, b) first and last name, c) country, d) postal code (for US, UK, and Canada only), e) gender, and f) date of birth; however, none of this information is validated so it may not be accurate.</p> <p>2) MySpace requires a subpoena for information such as: a) IP logs (recorded at time of login), b) dates and times of login (PST), c) email address, d) Zip code, e) name, or f) private messages.</p> <p>3) MySpace warns that IP address information may not be accurate if the target of an investigation uses a proxy.</p>



4) MySpace is a free service so administrators do not have street address or credit card information.

5) MySpace may disclose private information to law enforcement without a subpoena in limited, emergency situations in which the safety of a MySpace user or member of the public is at risk and there is insufficient time for the law enforcement agency to obtain a subpoena.

In these circumstances, MySpace requires the delivery of a signed statement on a law enforcement letterhead certifying the existence of an emergency and supplying all the information that would be required in a subpoena.

6) MySpace does not retain information that is altered or removed on an active profile. Once a change is made, existing information is overwritten.

7) IP logs are available for up to 90 days after the user's last login.

8) User's Inbox information is retained until the user removes them. MySpace cannot recover messages unless it is in another user's Sent Mail. Sent Mail is retained for 14 days.

9) Trash Mail is retained for 30 days or less – users can empty their trash at any time, at which time the mail is no longer available.

10) Deleted Accounts - No mail is available for deleted accounts. User ID, IP Address, Login date stamps are retained for up to 90 days after deletion. Profile information is available for up to ten days after account deletion.

11) Preserving an account – MySpace offers that a Letter of Preservation can be faxed to them, but there are caveats: a) Preserved accounts may not be able to log-into the account but they are still publicly viewable, b) MySpace can only preserve a currently active (non-deleted) account, and c) Information in the Sent Mail/Trash Can is still subject to automatic deletion.

12) If restricting the user's access to the profile will impede an investigation, investigators can request



	<p>that private messages be output to a flat file for preservation before a subpoena is served.</p> <p>13) Investigators MUST state the "FriendID" in the subpoena of the account(s) for which information is needed. The FriendID can be located in the web address of the profile in question. Example where FriendID is "6221" <a href="http://www.myspace.com/index.cfm?fuseaction=user.viewProfile&amp;friendID=6221&amp;Mytoken=20050518161358">http://www.myspace.com/index.cfm?fuseaction=user.viewProfile&amp;friendID=6221&amp;Mytoken=20050518161358</a></p> <p>14) MySpace can respond to court requested information with approximately a 2-week turnaround.</p> <p>15) The preferred way to transmit requested information is via email with an Excel spreadsheet attachment – so specify on the subpoena the email address results can be sent to.</p> <p>16) MySpace will accept subpoenas delivered by fax or mail: MySpace can be reached at: 1333 2<sup>nd</sup> Street, First Floor Santa Monica, CA 90401 Phone: 310-917-4949 Fax: 310-394-4180</p>
Twitter	<p>1) Twitter does not provide multimedia (photos or videos) hosting other than for a user's profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3<sup>rd</sup> party.</p> <p>2) Non-public information about Twitter users will not be released without a subpoena, court order, or other valid legal process document.</p> <p>3) Even though Twitter collects and stores information of users, the information may not be accurate if the user has created a fake or anonymous profile. Twitter does not require email verification or identity authentication.</p> <p>4) Twitter will notify users of requests for their information prior to disclosure unless they are prohibited from doing so by statute or court order.</p>



	<p>5) Twitter retains different types of information for different time periods. Some information may be only stored for a very brief period of time.</p> <p>6) Preservation requests must be signed, include a valid return email address, and sent on law enforcement letterhead delivered by mail or fax.</p> <p>7) Twitter can be contacted through:</p> <p>Email: <a href="mailto:lawenforcement@twitter.com">lawenforcement@twitter.com</a></p> <p>Fax: 1-415-222-9958 attn: Trust &amp; Safety</p> <p>Mail: Twitter, Inc 795 Folsom Street Suite 600 San Francisco, CA 94107</p> <p>IMPORTANT – Only email from law enforcement domains will be accepted. All others will be disregarded</p>



## Instructor Lesson Plan (5<sup>th</sup> Hour)

**Subject:** 5<sup>th</sup> Hour – Utilities & Resources

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 50 Minutes (1330-1420)

**Learning Objectives:** Understand key terms and definitions, and various on-line and stand-alone utilities that can be used to locate and harvest social networking information.

**Lesson Objectives:**

1. Acquaint the Learners with various utilities and resources that are able to locate and extract information from social networking and social media sites as well as from the Internet in general.
2. Acquaint the Learners the functionality and services of utilities and resources, how they operate, and the information they may provide during the legitimate investigation of criminal offenses.

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### Key Topic Points

### Elaboration on Key Points

Terms and Definitions	
Metadata	<ol style="list-style-type: none"><li>1) Metadata is an ambiguous term which is used to describe "data about data". Metadata is traditionally found in the card catalogs of libraries. As information has become increasingly digital, metadata also includes, but is not limited to:  Means of creation of the data Purpose of the data Time and date of creation Creator or author of data Placement on a computer network where the data was created Standards used The basic information of a piece of</li></ol>



<p>Web Spiders</p>	<p>music, a picture, or file</p> <p>For example, a digital image may include metadata that describes how large the picture is, the color depth, the image resolution, when the image was created, and other data. A text document's metadata may contain information about how long the document is, who the author is, when the document was written, and a short summary of the document.</p> <p>2) Web Spiders or Web Crawlers are computer programs that browse the Internet in a methodical, automated manner.</p> <p>Many sites, in particular search engines, use “spidering” as a means of gathering up-to-date data. Web crawlers create a copy of all the visited pages for processing by a search engine. The search engine indexes the downloaded pages to provide faster searches. Crawlers can also be used for harvesting e-mail addresses.</p> <p>A Web crawler is a type of bot, or software agent, that, in general, starts with a URL to visit and then copies all the hyperlinks and content on that and nested pages.</p>
<p>Data Aggregation and Inference</p>	<p>3) Data Aggregation and Inference is a multiple-criteria decision-making operation. Whether in our daily lives or in a professional settings, there are usually multiple conflicting criteria that need to be evaluated when making decisions. For example, in purchasing a car, cost, comfort, safety, and fuel economy may be some of the main criteria we consider.</p> <p>In our daily lives, we usually weigh multiple criteria implicitly and we may be comfortable with the consequences our decisions that are made based on only intuition.</p>



	<p>On the other hand, when stakes are high, it is important to properly structure the problem and explicitly evaluate each criterion. This leads to more informed and better decisions.</p> <p>Data Aggregation and Inference can be accomplished by just giving a topic good thought, or by automated mathematical computerized models.</p>
Utilities and Resources	<ol style="list-style-type: none"> <li>1) 411.Com (People Search)</li> <li>2) Abika.com (People Search)</li> <li>3) Classmates.com</li> <li>4) MyLife.com</li> <li>5) Spokeo.com</li> <li>6) Web Investigator.org</li> <li>7) Wayback Machine (Archive.org)</li> <li>8) WebReaper</li> <li>9) FOCA On-Line (informatica64.com)</li> <li>10) FOCA Stand-Alone</li> <li>11) Firesheep</li> <li>12) FBpwn</li> <li>13) Cree.py</li> </ol>



## Instructor Lesson Plan (6<sup>th</sup> Hour)

**Subject:** 6<sup>th</sup> Hour – Additional Legal and Practical Issues

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 50 Minutes (1430-1520)

**Learning Objectives:** Understand how industry-wide plans for Federated Identity services, changing Terms of Service, and enhanced Privacy Policies will impact investigations, as well as understand the various unresolved issues that law enforcement officers need to be aware of.

**Lesson Objectives:**

1. Acquaint the Learners with Federated Identity services planned by the major service providers.
2. Acquaint the Learners with the importance of considering Terms of Service and Privacy Policies of social networking sites.
3. Acquaint the Learners with various unresolved issues related to when, how, and why law enforcement officers can use social media in investigations.

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### Key Topic Points

### Elaboration on Key Points

Federated Identity	<ol style="list-style-type: none"><li>1) Social networking sites are increasingly developing hybrid functions and moving toward federated identity schemes such as OpenID and Facebook Connect.</li><li>2) Facebook, MySpace, Yahoo! And Google all have projects underway to act as Identity Authenticators – moving to a Single Sign-In model where a user can log-into Facebook using Google credentials.</li><li>3) If attribution of activity is necessary, must determine the identity provider.</li></ol>
Terms of Services & Privacy Policies	<ol style="list-style-type: none"><li>1) Social networking sites have extensive</li></ol>



	<p>terms of service and privacy policies. Most of the policies are undergoing intense scrutiny by privacy advocates and are adapting in a way that may not favor law enforcement.</p> <p>2) Most sites permit emergency disclosure of information to law enforcement without a need for a warrant, but most sites have very brief windows of opportunity to capture information after it is deleted or modified by the user.</p> <p>3) All sites specify exceptions to respond to legal process and protect the service against fraud or damage, but recovery of information is extremely time and activity sensitive.</p> <p>4) U.S. v. Drew – Can failure to follow Terms of Service render access unauthorized under 1030? Employment policy cases tend to say “yes” but there are concerns that Terms of Service could transform into a privately-managed criminal code for site misconduct.</p>
Unresolved Issues	<p>1) A difficult issue for Defense Attorneys is whether anything can or should be done about existing, harmful information that a client has posted on a social networking site. Even if law enforcement can retrieve the information, the fact that it existed and was destroyed could be interpreted as an attempt to obstruct justice by deleting incriminating information during a pending investigation.</p> <p>2) U.S. v. Wortman, 488 F 3d 752 (7<sup>th</sup> Cir. 2007) involved a defendant that was convicted of obstruction of justice for destroying incriminating evidence that belonged to her boyfriend after learning that he was under investigation by the FBI.</p> <p>3) Social networking companies tend to cooperate with law enforcement’s</p>



	<p>requests for information but defense requests are frequently opposed. This may be nice for us but the courts will eventually move to level the playing field if social networking companies don't find a balance.</p> <p>4) Thorny ethical and legal issues can arise if, during an investigation of a social networking site, law enforcement acts untruthfully, uses third parties to access information, or uses a fictitious identity to obtain information. The best rule of thumb is to stay within the Terms of Service of each social networking site.</p> <p>5) Griffin v. State, 2010 WL 2105801 (Md. May 27, 2010) discusses in detail the authentication of evidence from social networking sites but the requirements and methods have not been fully tested through the courts</p> <p>6) One court has held that defense counsel's failure to investigate and pursue evidence from social networking sites could be ineffective assistance of council (see Cannedy v. Adams, 2009 WL 3711958 (C.D. Cal. Nov. 4, 2009).</p> <p>7) If defense attorneys are obligated to investigate social networking leads, why aren't we?</p>



## Instructor Lesson Plan (7<sup>th</sup> Hour)

**Subject:** 7<sup>th</sup> Hour – Review and Question & Answer

**Unit:** Criminal Investigations & Technology

**Time Allotted:** 30 Minutes (1530-1600)

**Learning Objectives:** Understand the key points of today's lecture, and be able to put the provided information to use and action in criminal investigations involving evidence from social networking sites.

**Lesson Objectives:**

1. Bring into focus the main points of today's presentation.
2. Place emphasis on key concepts which the Learners will need to obtain and use evidence from social networking sites.

**Preparation:** Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

**Presentation:** Presentation will be lecture-based supported by PowerPoint presentation media.

### Key Topic Points

### Elaboration on Key Points

Introduction to Social Networking Sites	<b>We talked about:</b> <ol style="list-style-type: none"><li>1) What social networking is</li><li>2) Various types of social networking sites</li><li>3) The most popular social networking sites</li><li>4) Where people share information</li><li>5) How people manage their accounts</li><li>6) What police departments use sites for</li><li>7) Utility of social networking information</li><li>8) What types of information to look for</li></ol>
Overview of Key Social Networking Sites	<b>We talked about:</b> <ol style="list-style-type: none"><li>1) Social networking sites and characteristics</li><li>2) Screenshots of sites and site features</li></ol>
Case Studies and Review of Successful Investigations	<b>We talked about:</b> <ol style="list-style-type: none"><li>1) Outside (non-HPD) investigations</li><li>2) HPD investigations aided by social</li></ol>



	networks
Capturing Evidence and Working with Site Administrators	<b>We talked about:</b> <ol style="list-style-type: none"> <li>1) Reactive versus proactive investigations</li> <li>2) Site visualizers</li> <li>3) pip1 people search site</li> <li>4) Printkey for screen capture</li> <li>5) Screen Recorder for video capture</li> <li>6) Considerations for undercover investigations</li> <li>7) U.S. v. Lori Drew- Terms of Service</li> <li>8) Complainants, witnesses, and police use</li> <li>9) Working with social network providers</li> </ol>
Utilities and Resources	<b>We talked about:</b> <ol style="list-style-type: none"> <li>1) Metadata</li> <li>2) Web Spiders</li> <li>3) Data Aggregation and Inference</li> <li>4) Various people search sites</li> <li>5) Various information search sites</li> <li>6) Data harvesting tools</li> <li>7) When and where these tools are appropriate</li> </ol>
Additional Legal and Practical Issues	<b>We talked about:</b> <ol style="list-style-type: none"> <li>1) Federated Identification plans</li> <li>2) Terms of Service</li> <li>3) Privacy Policies</li> <li>4) Unresolved Issues</li> </ol>



### **III. Application**

The Learner will be able to collect and use evidence from social networking sites during the investigation of criminal offenses, and will be able to do so in a way that will allow the evidence to be complete and capable of withstanding legal challenges

### **IV. Evaluation**

None

### **V. References**

Facebook – [www.facebook.com](http://www.facebook.com)

MySpace – [www.myspace.com](http://www.myspace.com)

Twitter – [www.twitter.com](http://www.twitter.com)

LinkedIn – [www.linkedin.com](http://www.linkedin.com)

Social Networking Visualization Tools – [www.lococitato.com](http://www.lococitato.com)

How to Capture a MySpace Page for Investigative Purposes

By: Lauren Wagner and Keith Daniels

SEARCH, The National Consortium for Justice Information and Statistics,

January 2008

[www.search.org](http://www.search.org)



# Obtaining and Using Evidence from Social Networking Sites





**Dr. David J. Morgan**  
**Chief Technology Officer**



John N. Johnson, CISSP, CEH  
Security+ Certified Professional  
Information Security Officer  
[john.johnson@cityofhouston.net](mailto:john.johnson@cityofhouston.net)



# Course Agenda

Module	Time	Subject
1	0800 - 0815	Introduction and discussion of course goals
1	0815 - 0850	Introduction to Social Networking Sites
	0850 - 0900	Break
2	0900 - 0950	Overview of Key Social Networking Sites
	0950 - 1000	Break
3	1000 - 1050	Case Studies & Review of Successful Investigations
	1050 - 1230	Lunch
4	1230 - 1320	Capturing Evidence & Working with Site Administrators
	1320 - 1330	Break
5	1330 - 1420	Utilities and Resources
	1420 - 1430	Break
6	1430 - 1520	Additional Legal and Practical Issues
	1520 - 1530	Break
7	1530 - 1600	Review and Q/A



# Course Objectives

The objective of this course is to prepare investigators to use social networking and social media sites for investigative purposes while protecting privacy and staying within law enforcement professional guidelines.

A secondary objective is to understand the operating rules of the various social media sites, none of which are uniformly defined by service providers or understood by the people who use the service.



# Module 1



## Introduction to Social Networking Sites



# Module Objectives

## **Module 1 Learning Objectives:**

Understanding what social networking is and the various Internet sites and services that exist, and how they are used.

## **Lesson Objectives:**

1. Acquaint the Learners with the vast number and types of social networking and social media sites.
2. Discuss how social networking sites operate, the services provided by each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.



# What is Social Networking?



[illegible]

**Networking**

**Tools**  
 Ning  
 iKiteApps  
 iGnomies  
 CollectiveX

**Mobile**  
 Groovy  
 iListHQ.com  
 ZANNE

**BtoB**  
 LinkedIn  
 plaxo  
 XING  
 VIDEO

**Niche**  
 boomp  
 patientstake  
 locob

**Search**  
 classmates  
 mybooklook  
 alumni.net  
 mylife

**Social Games**  
 Zynga  
 iG  
 iGnomies  
 iGnomies

**Casual Games**  
 deaf  
 pogo  
 playfirst  
 CAF.com  
 iGnomies  
 iGnomies

**MMORPG**  
 MMORPG  
 iGnomies  
 iGnomies  
 iGnomies  
 iGnomies

**MOG**  
 MOG  
 iGnomies  
 iGnomies  
 iGnomies  
 iGnomies

**Casual MMO**  
 Casual MMO  
 iGnomies  
 iGnomies  
 iGnomies  
 iGnomies

**Gaming**

9



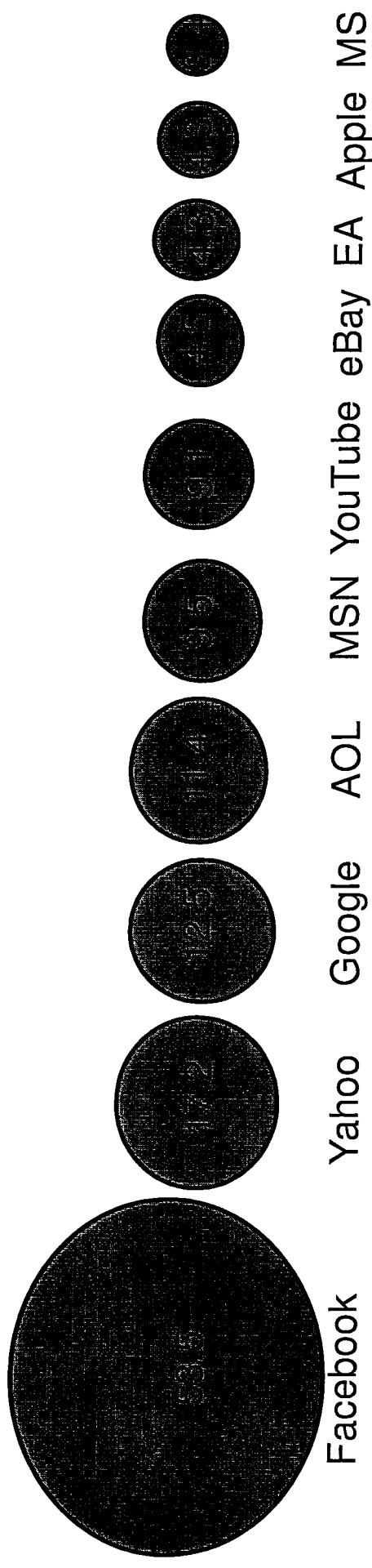
# Examples of Social Networking Sites

- Facebook – general
- Myspace.com – general
- Twitter - micro-blogging
- LinkedIn – professional
- Classmates.com - school, college, work, and the military
- YouTube – videos
- Craigslist - classifieds & personal ads
- Zynga – online games



# Where do Americans spend most of their Internet time?

Top 10 U.S. Web Destinations by Total Minutes in billions spent at Home and Work

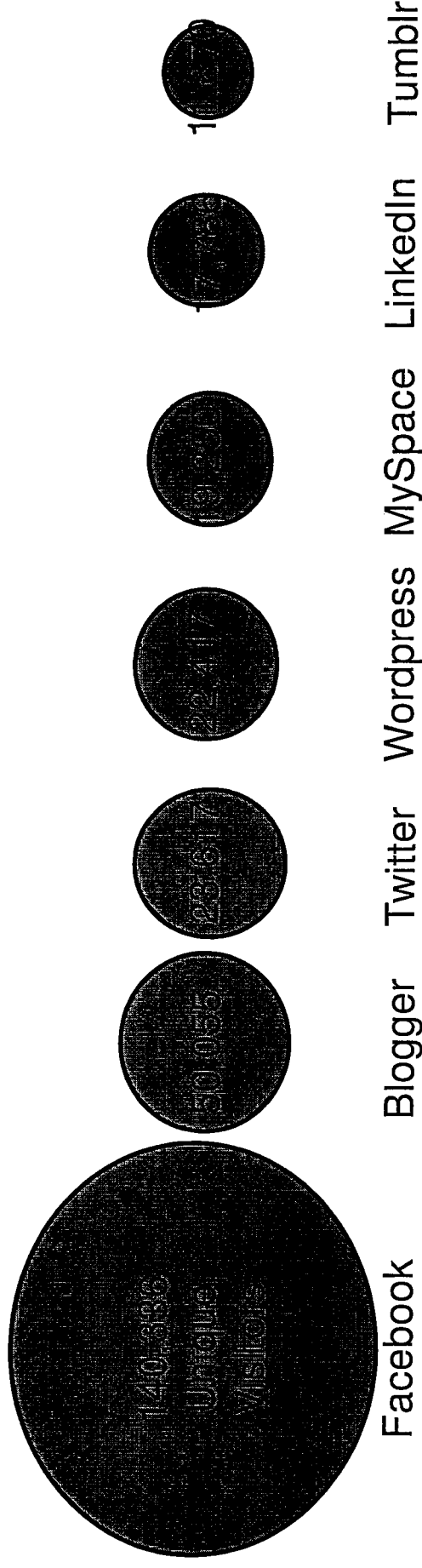


Source: Nielson, May 2011



# What are the most popular Social Media sites?

A comparison of traffic to the most popular U.S. social media sites, based on unique visitors in May 2011



Source: Nielson, May 2011



# The Rise of Social Networks

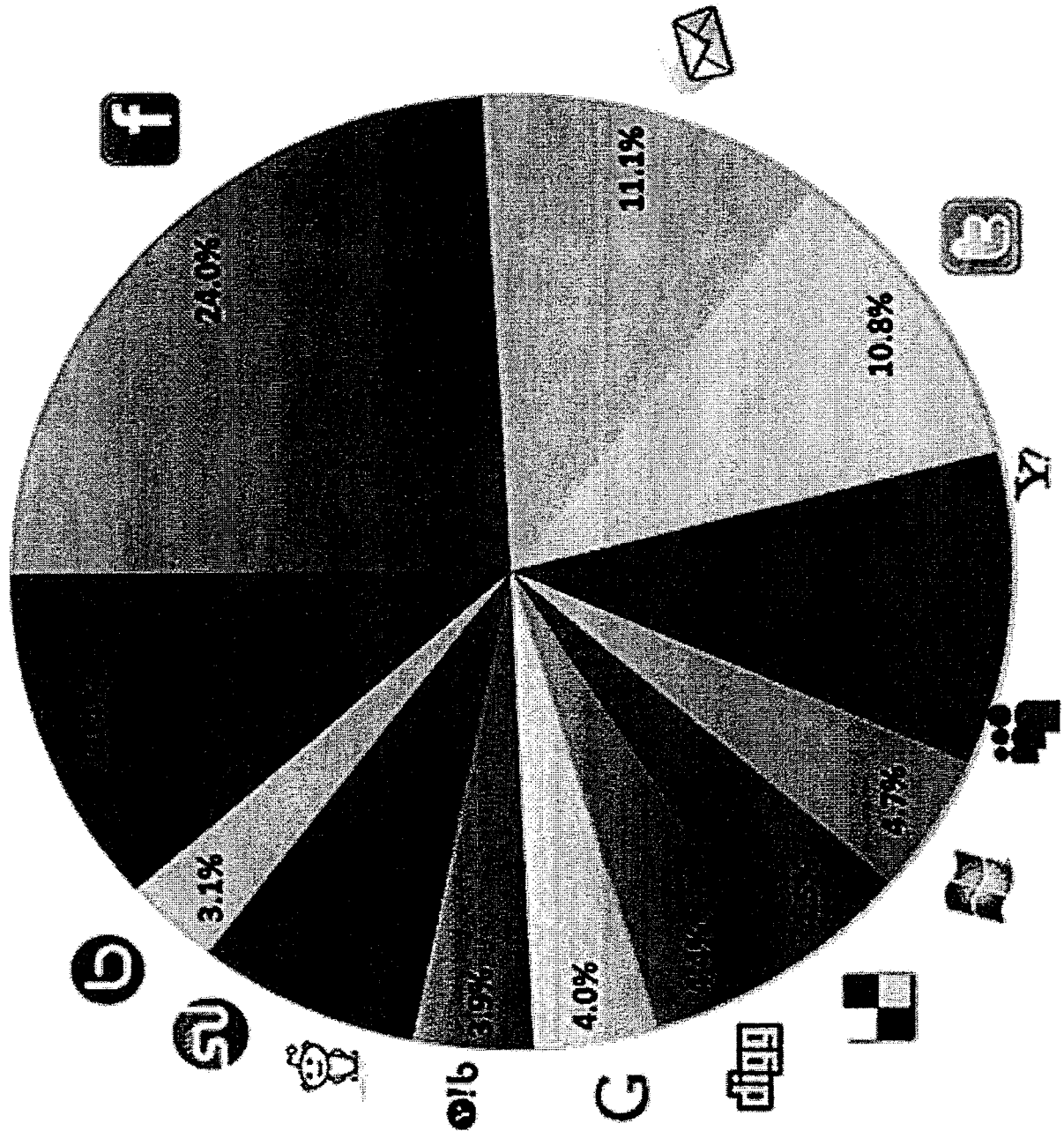
Social networking sites have a wealth of information but also can be full of pitfalls and danger. Law enforcement officers should have a basic understanding of social networking sites and the utility and dangers they present.

Any attempt to definitively understand technology opens a huge can of worms. The problem is the advancement of technology basically doubles every 10 years. It is hard to keep up, because once training is developed and conducted, new technology and new uses of the technology occur.

The Internet itself is still a rather new tool to society. It was only two decades ago when it was first available for public consumption.



# Facebook Leads Sharing



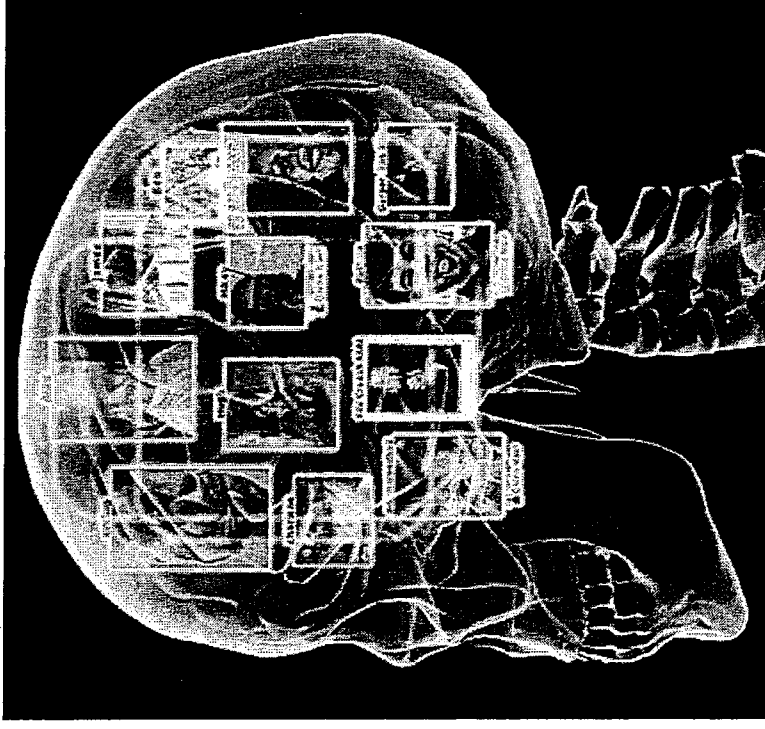
Source: AddToAny



# Social Network Stats

According to the Pew Internet & American Life Project (2010):

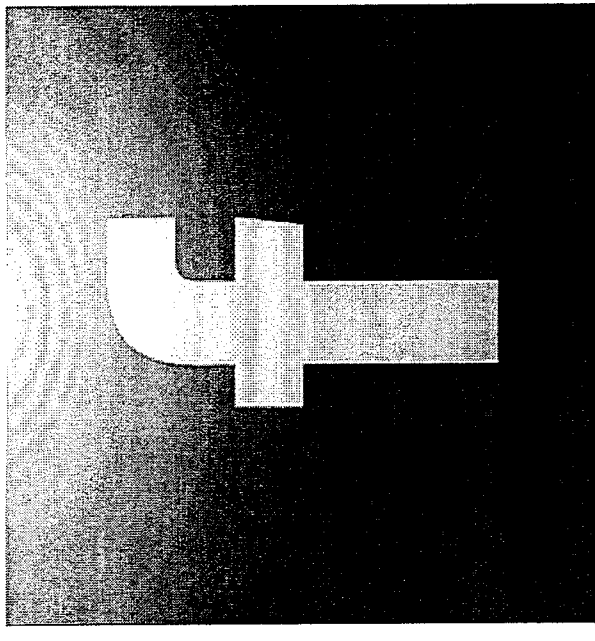
- 75% of U.S. Internet users between the ages of 18-24 and 57% of users between the ages of 25-34 have a profile on a social networking site.
- Of those, 51% have more than one profile.
- 36% allow everyone to view their profile.
- 96% have “friends” they have never met face-to-face.
- The 2010 global average time spent per person on social networking sites was ~ 5.5 hours per month.





# Every Minute on Facebook

- ✓ 50,000 ... Shared Links
- ✓ 60,000 ... Photos Tagged
- ✓ 74,000 ... Event Invites
- ✓ 79,000 ... Wall Posts
- ✓ 83,000 ... Status Updates
- ✓ 99,000 ... Friend Requests
- ✓ 136,000 ... Photos Uploaded
- ✓ 232,000... Messages Sent
- ✓ 383,000... “Likes”
- ✓ 510,000 ... Comments





# Peer Review

In a January 2011 survey by the International Association of Chiefs of Police (IACP), 81% of the 728 law enforcement agencies surveyed said they use social media in some form. The most common use of social media is for investigation.

When asked how they use social media, 63.2 % said they use it for investigating crimes, 40 % for soliciting tips on crimes, and 44 % for notifying the public of crime problems.

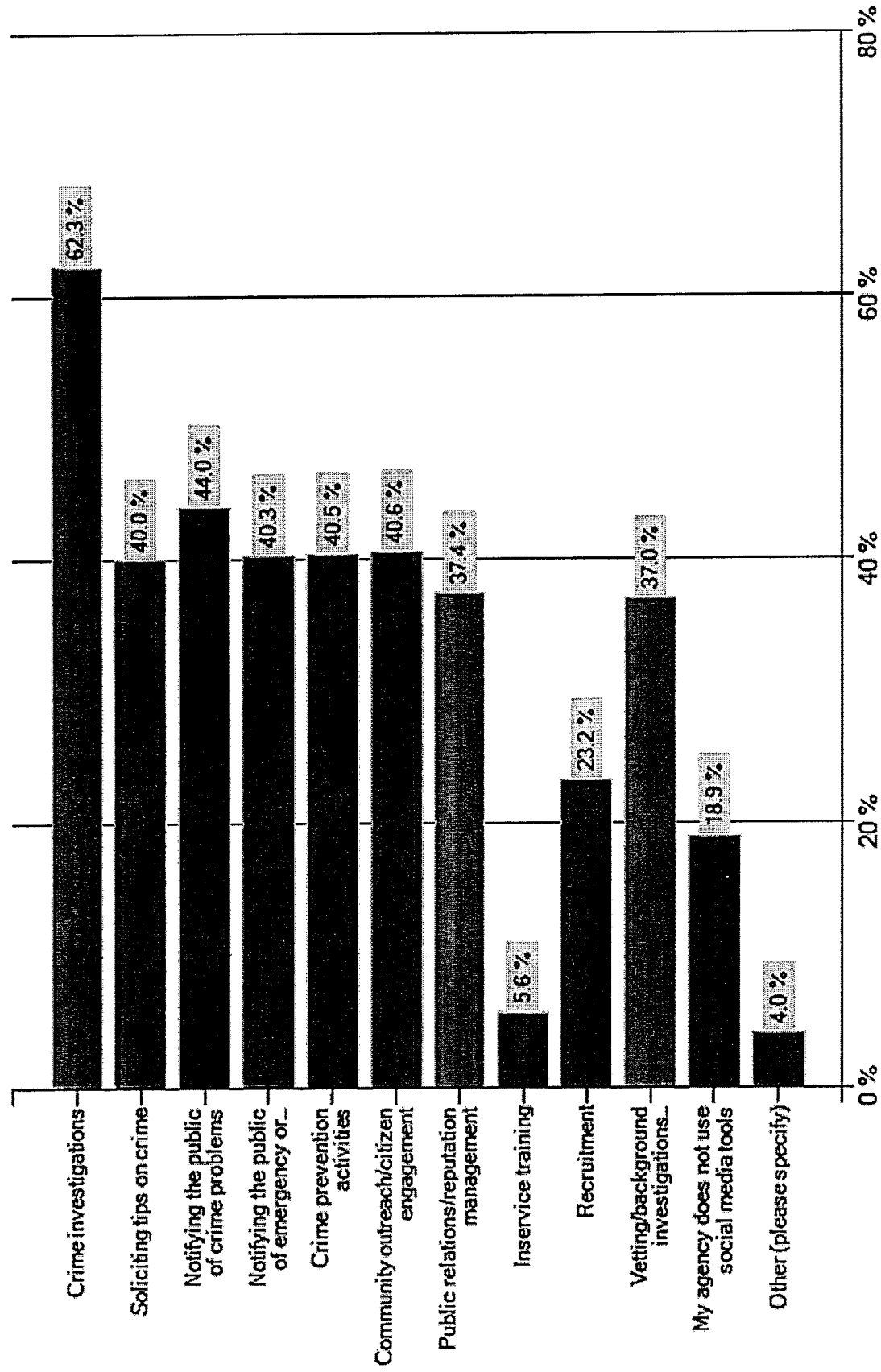
Usage in investigations surpassed other uses by government agencies for social media, such as community outreach (40.6 %), notifying the public of emergencies (40.3 %) and public relations (37.4 %).

Facebook was by far the most popular tool among respondents, used by nearly 67 % of the agencies that use social media. Other social networking channels being used include Twitter (29.8 %), Nixle (also 29.8 %), MySpace (21.6 %) and YouTube (17.6 %).

<http://www.nlets.org/press/police-put-social-media-on-the-trail-of-crime-investigations>



**Which of the following activities does your agency use social media tools for? (Select all that apply)**





Unlike traditional Web sites, where users are limited to passive viewing, social networking sites permit users to create personal profiles; post photographs, videos, and audio clips; write blog entries and status updates; send and receive private messages; and link to pages of others (“friends”)

It is not uncommon for a person on Facebook, MySpace or other social networking sites to have 300 plus friends located all around the globe.

From a law enforcement perspective, there are three basic criminal uses for social networking sites:

- Recruitment – i.e. Gangs and/or narcotics – what age group are they targeting; go where they are.
- Intimidation – i.e. Gangs and/or criminal enterprises – send broad messages to your affiliates, rivals, and possible informants
- Operations – Private profiles provide a powerful collaboration platform with very weak attribution



# Utility In Criminal Cases

Evidence from social networking sites can:

- Reveal personal communications
- Establish motives and personal relationships
- Provide location information
- Prove and disprove alibis
- Establish crime or criminal enterprises
- Lead to discovery of instrumentalities or fruits of crime



# Things To Look For

- Name, date-of-birth (age), sex, race, current geographical location, hometown, high school/college attended, preferred E-mail address, cell phone number, sexual preference, relationship interests, clubs and affiliations, favorites movies and TV shows, favorites books, favorite quotes, employment type and title, work history, etc
- picture, audio, and video files
- Meta data
- Information concerning URLs and “favorite” sites
- Internet protocol addresses and other location identifiers
- Internet Service Provider address and Internet subscriber information
- Social networking profiles of friends and associates



# Things To Look For (continued)

- Business and personal activities
- Frequency of postings or site usage
- Social, business, and other group affiliations
- Evidence of uploaded content and postings
- Abuse reports
- Terms of Service for the site (they are frequently changing these days)
- Payment method in those few instances where services are not free



## Module 2



# Overview of Key Social Networking Sites



# Module Objectives

## **Module 2 Learning Objectives:**

Understanding the most popular social networking sites and the features they provide.

## **Lesson Objectives:**

1. Acquaint the Learners with the most popular social networking and social media sites.
2. Discuss the functionality and services of the most popular sites, how they operate, the profiles (characteristics) of typical users of each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.



# Facebook

facebook

Email

password

[illegible]

Log In

☐ Keep me logged in

**Facebook helps you connect and share with the people in your life.**

## Sign Up

**It's free and always will be.**

First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Your Email:	<input type="text"/>
Re-enter Email:	<input type="text"/>
New Password:	<input type="text"/>
I am:	Select Sex: <input type="text"/>
Birthday:	Month: <input type="text"/> Day: <input type="text"/> Year: <input type="text"/>
Why do I need to provide my birthday?	
<a href="#">Sign Up</a>	

**Create a Page for a celebrity, band or business.**



# Facebook

- Founded in 2004, initially catering to students
- 35 years and older is the largest growing demographic group
- Now over 800 million active users worldwide
- More than 50% of active users log-on in any given day
- Average user has 130 friends
- Average user is connected to 80 community pages, groups and events
- More than 7 million apps and websites are integrated with Facebook
- More than 350 million active users currently access Facebook through their mobile devices

Source: <http://www.facebook.com/press/info.php?statistics> (11-9-2011)



# Facebook

- Over 480,000 new members join every day.
- Over 30 billion photographs stored system-wide; Facebook adds an estimated 1 billion additional photographs each month.
- Subscribers are encouraged to use their real names but not guaranteed.
- Privacy model is highly granular; presents different information to different groups or individuals; Recent changes in privacy settings as a result of criticism but new features are typically not very private.
- Messaging includes mail, real-time chat, and each user's "wall".
- Frequently used in private background checks and pre-employment screening.
- Site functionality has been used to deliver viruses and malware, and to provide Command & Control for network Bots.



# Facebook Wall

facebook

Search



View Photos of Helen (25)

Send Helen a Message

Poke Helen

Loving life in Colorado Springs.

## Information

Relationship Status:  
Married to

**Helen McAllister** Chance to win a free Razor scooter just in time for Christmas...check out [www.facebook.com/greenribbonschools](http://www.facebook.com/greenribbonschools). 17 hours ago

Wall Info Photos Boxes

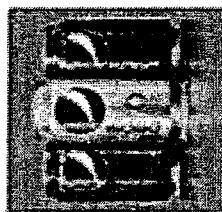
Write something...

Attach:

Share

Filters

Helen McAllister Please vote for this great program. Txt 103459 to 73774 or click below. Thanks. :)



Provide Green Ribbon Schools health & wellness program to US students | Pepsi Refresh Everything

pep.si

Vote for the most refreshing ideas to win Pepsi Refresh Project grants for Education

24 minutes ago · Comment · Like · Share · Flag



Stephanie Christiansen I voted again

17 minutes ago · Like

Write a comment...



# Facebook Profile

[Profile](#)
[Friends](#)
[Inbox](#)

[Mark Zuckerberg](#)

[http://www.facebook.com/markzuckerberg?ref=search&sid=607324417.4228919553.1](#)

[Search](#)

[Become a Fan](#)

[Photos](#)
[Boxes](#)
[Video](#)
[Live](#)

[Recently Added](#)
[All Friends](#)
[Invite Friends](#)
[Find Friends](#)

[Mark Zuckerberg](#)

[An Open Letter from Facebook Founder Mark Zuckerberg](#)

[December 1 at 9:26pm · View Feedback \(1,843\) · Share](#)

[Mark Zuckerberg](#)

[Happy Halloween from Facebook](#)

[October 30 at 11:02pm · View Feedback \(1,125\) · Share](#)

[Mark Zuckerberg](#)

[Mark Zuckerberg will be talking to hackers and entrepreneurs at Startup School 2009 today at 2:30 pm PST. The talk will be livestreamed on this page, so check back in an hour to watch.](#)

[October 24 at 4:21pm · View Feedback \(1,229\)](#)

[Mark Zuckerberg](#)

[Mark Zuckerberg Facebook started as a small project that I built in two weeks. I talk in this interview about how Facebook developed from a project into a company serving over 300 million users. Innovation and moving fast play a big role in our growth. We still have a lot to build and do.](#)

[October 1 at 11:36pm · View Feedback \(1,765\) · Share](#)

[Mark Zuckerberg](#)

[Mark Zuckerberg's first photo upload](#)

[October 1 at 11:36pm · View Feedback \(1,765\) · Share](#)

[Mark Zuckerberg](#)

[Mark Zuckerberg's first photo upload](#)

[October 1 at 11:36pm · View Feedback \(1,765\) · Share](#)

[Mark Zuckerberg](#)

[Mark Zuckerberg's first photo upload](#)

[October 1 at 11:36pm · View Feedback \(1,765\) · Share](#)

[Mark Zuckerberg](#)

[Mark Zuckerberg's first photo upload](#)

[October 1 at 11:36pm · View Feedback \(1,765\) · Share](#)



# Facebook Find Friends

facebook



Search

q

Find Friends Home

## Find friends from different parts of your life

Use the checkboxes below to discover people you know from your hometown, school, employer and more.

### Hometown

Enter a city

### Current City

Enter a city

### High School

Enter a high school

### Mutual Friend

☐ Lori

☐ Vernon

☐ Norma

Enter another name

### College or University

Enter a college

### Employer

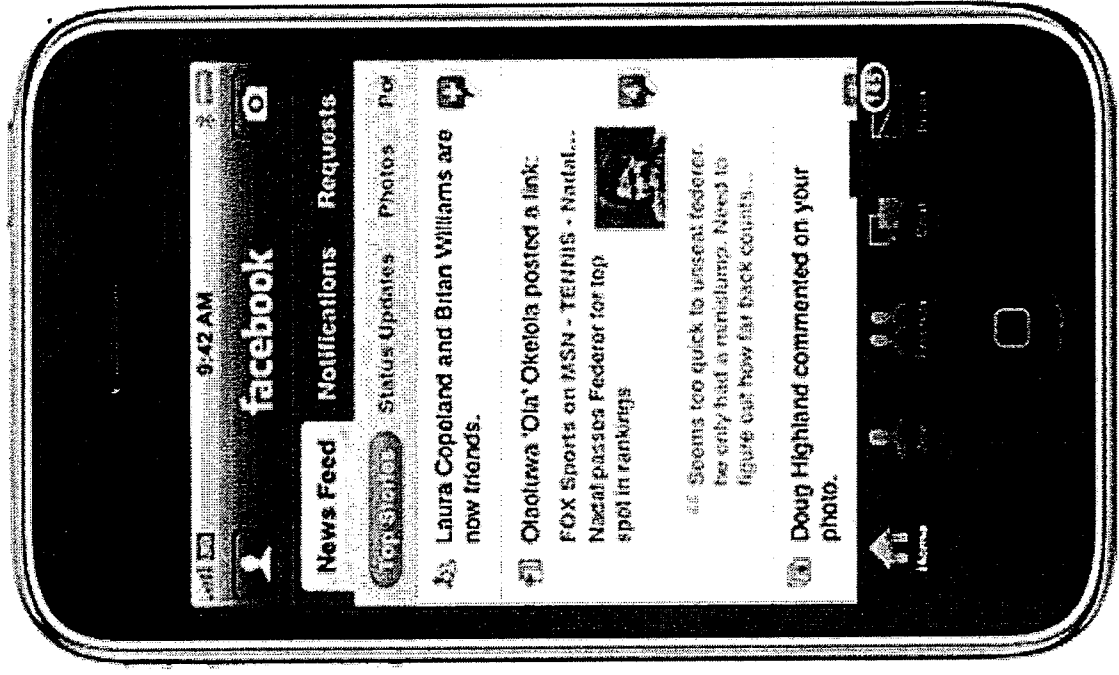
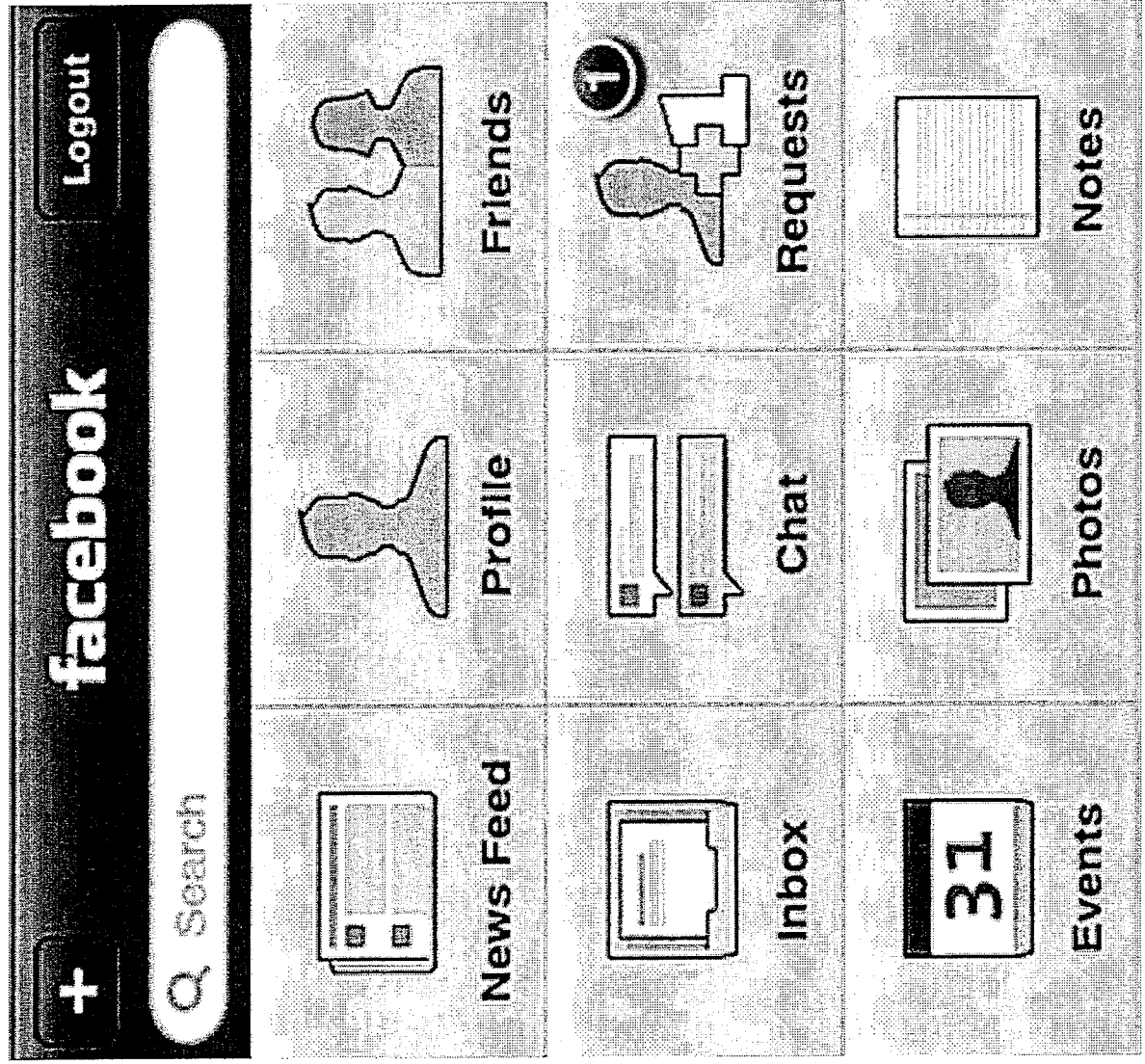
Enter an employer

### Graduate School

Enter a college

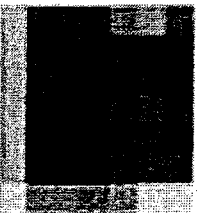




# Facebook Mobile






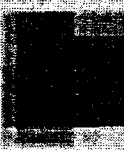




# What Happens In Facebook...


 Meghan  Definitely skipping my date for a night of movies, Starbucks, and chocolate chip cookies. Don't judge :)  October 27 at 5:37pm via BlackBerry · Like · Comment

 Jen  likes this.

 Patrick  wtf?!? A heads up would have been nice!...that's the last time I ask you out!  October 27 at 5:39pm · Like

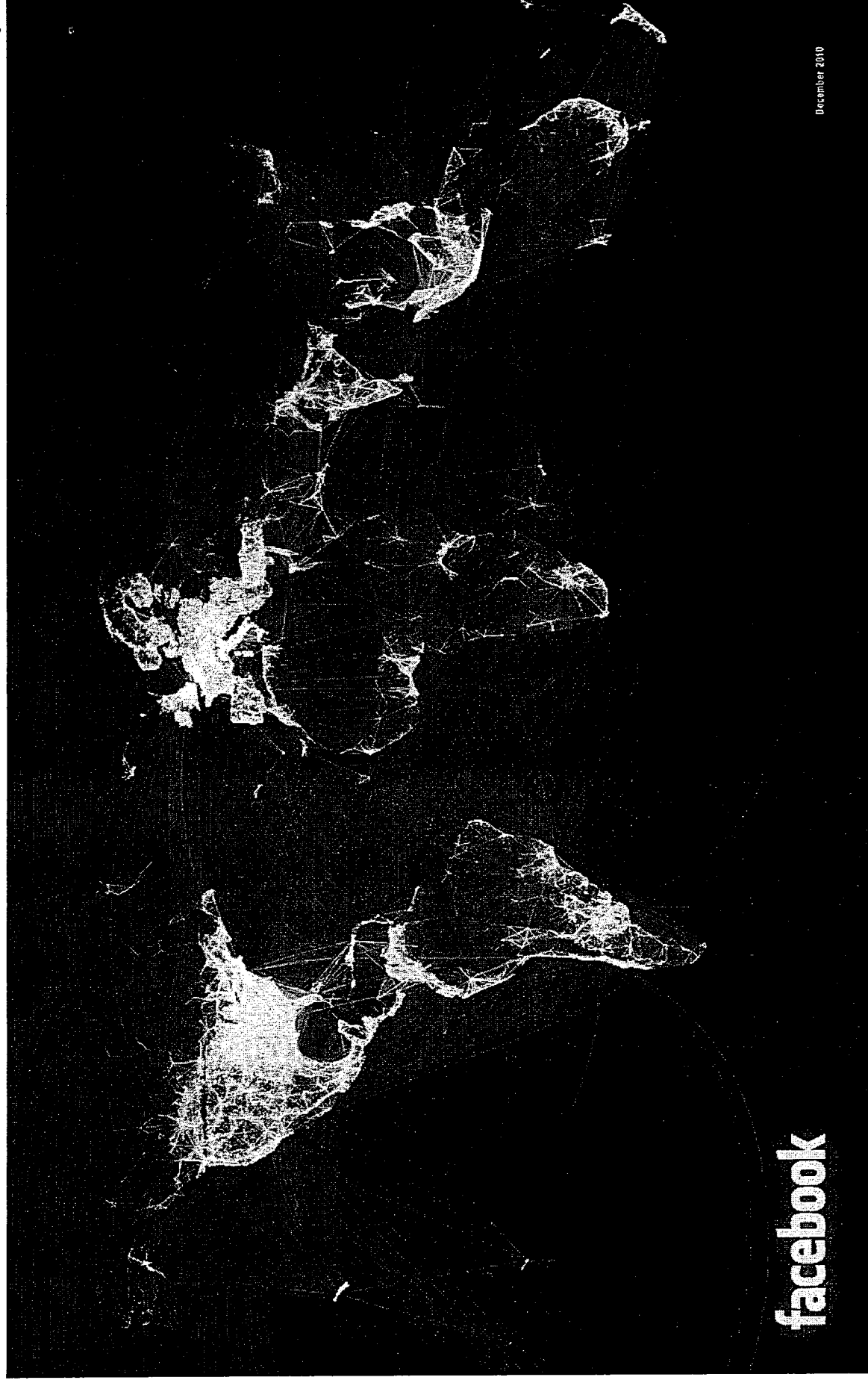
 Meghan  Shit! I forgot we were Facebook friends, I'm almost embarrassed this is how you had to find out!  October 27 at 5:40pm · Like

 Patrick  no worries it will just be another night filled with tears and masturbation, prolly at the same time, for me  October 27 at 5:44pm · Like

 Meghan  At least your night is ending the same as it would have if I didn't cancel  October 27 at 5:47pm · Like



# Facebook Friends Map





# MySpace

http://www.myspace.com/ Myspace

myspace Sign Up Login Search

Music Video Games Browse People

THE RELEASE

WALE: LIVE FROM NEW YORK  
FT. RICK ROSS, NE-YO, TREY SONGZ, MEEK MILL & MORE

WATCH STREAM HERE

00:00 Share

Sign up free

Already a member? Login

Connect with Facebook

Login

Email

Password

☒ Keep me logged in

Forgot password? Login

Need an account? Sign up

MUSIC

HEAVY D  
PASSES AWAY AT AGE 44 READ

WHAT'S HOT

MICHAEL JACKSON  
FRIENDS & FAMILY REACT TO VERDICT READ

MUSIC VIDEOS

SOMEBODY FOR ME  
Heavy D WATCH

BLUESKY  
ESSENCE WATCH

SHADOWCASTING  
Ruff Ryck WATCH

Open Player

Done



# MySpace

- Founded in 2003; now owned by Fox Interactive Media
- Was most popular social networking site in 2006
- Hit 100 million accounts on August 9, 2006
- Was passed-up in popularity by Facebook in 2008
- Currently has 64.2 million active users
- The use of true names is less encouraged than Facebook
- Messaging through Instant Message, Chat, and Friend Updates
- Application platform added in 2008 in response to Facebook's platform
- Younger user base; history of child safety concerns
- Privacy is less granular and less effective than Facebook's settings



# MySpace Profile Home

**MySpace** File Edit Options Help

Back Home Profile Home Login to MySpace Messages Unblocker (Beta) Link Previews (Beta) Flash Stopper

https://myspaceenhanced.com/cgi-proxy/nph-proxy.pl/0101

Google go NEW Profile layouts!

Help | SignUp powered by Google

Search

Home | Friends | Search | Private | Email | Mail | Video | Groups | Events | Videos | Music | Comedy | Classifieds

---

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan

### Member Login

Hi, Russell

E-Mail :

Password :

☐ Remember Me

[Not yet?]

Forgot your password?

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan

### Member Login

Hi, Russell

E-Mail :

Password :

☐ Remember Me

[Not yet?]

Forgot your password?

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan

### Member Login

Hi, Russell

E-Mail :

Password :

☐ Remember Me

[Not yet?]

Forgot your password?

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan

### Member Login

Hi, Russell

E-Mail :

Password :

☐ Remember Me

[Not yet?]

Forgot your password?

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan

### Member Login

Hi, Russell

E-Mail :

Password :

☐ Remember Me

[Not yet?]

Forgot your password?

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan

### Member Login

Hi, Russell

E-Mail :

Password :

☐ Remember Me

[Not yet?]

Forgot your password?

### Cool New People

Derek

Laura

andrew

### Videos

The Middle Show - ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

>> Watch It Now!

### Sponsored Links

Free Video Chat

## myspace.com<sup>®</sup>

a place for friends

### Cool New Videos

31,944 uploaded today!

Gay Robot  
Gay Robot

Air Freshener  
Guy

Inspectors  
Flappa

Sneak Peak  
Joe Rogan



# Friends Requests & Updates

[Hello, Tom!](#) | [Signout](#)

## Friend Requests

3 users want to be your friend!

**Nick078Bubble** | online now!

Hey, I met you at Steven Party. I hope it's ok if I add you as a friend. You seem really cool. :)

Accept

Deny

Block

Message

**Felix**

Accept

Deny

Block

Message

**TehDon**

Accept

Deny

Block

Message

Home

Mail

Requests

Friends

Photos

[Home](#)

**Justin Jones**

is getting married today!

Mood: depressed

Updating...

[Update](#) | [Cancel](#)

## Updates

New Message



# Twitter

http://twitter.com/

Google

Twitter

twitter

Follow your interests

Instant updates from your friends, industry experts, favorite celebrities, and what's happening around the world.

Username

Remember me

Password

Forgot it?

Sign in

New to Twitter? Join today!

Full name

Email

Password

Sign up

[About](#) • [Help](#) • [Blog](#) • [Mobile](#) • [Status](#) • [Jobs](#) • [Terms](#) • [Privacy](#) • [Advertisers](#) • [Businesses](#) • [Media](#) • [Developers](#) • [Resources](#) • © 2011 Twitter

38



# Twitter

- Began in mid-2000 as a “status message” service but has become the leader in ‘micro-blogging’ - subscribers use mobile devices to maintain presence
- Over 200 million registered users but only ~75 million are active.
- Average usage is approximately 600 tweets per second.
- Highly cross-platform capable and easy to use but storage space is limited
- Popularly used for Breaking news and real-time updates of events  
Multi-media is handled by 3<sup>rd</sup> party links to other providers
- Popular with hacking groups, including Anonymous
- Simple privacy model: updates are either Public or Private



# Twitter

- Direct messages are private; Sender can delete messages even after they are sent
- Stores shortened versions of URLs which are used to direct other users to resources – also is used to spread malicious links and program code
- Most Twitter profile information is public, so anyone can see it
- A Twitter profile contains a profile picture, background image, and status updates called Tweets
- Users have the option to fill out location information, a URL, and a short “Bio” section about themselves for display on their public profile
- Twitter does not provide multimedia (photos or videos) hosting other than for a user’s profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3<sup>rd</sup> party



# Twitter Timeline



Search



Home

Profile

Messages

Who To Follow



What's happening?

Timeline

@Mentions

Retweets

Searches

Lists



you a burned out #QSA or wanna help build a PCI/HIPAA/SOC/ISO compliance program? @Walgreens #chicago is hiring. drop me a note

5 hours ago



Watching my mother-in-law order at Starbucks is like watching a drunk gorilla try to start a car with a french fry.

5 minutes ago



.r.u.n.!

3 hours ago



U.S. House Intelligence Committee said hacker attacks by China had reached an "intolerable level" | ow.ly/7mPa4

3 hours ago



always feel smarter after voting. maybe that's b/c my polling place is Thomas Jefferson S&T school.

2x win

56 minutes ago

Your Tweets

23 hours ago

Following

Followers

Who to follow - refresh · view all



GlobalKnowledge Global Knowledge



Follow



Promoted · Followed by



backtracklinux muls · Follow

Followed by



aaronbarr Aaron Barr · Follow

Followed by

Trends: Worldwide · change

#DroidRAZR



Promoted

#WhatILove

#grandesParejas

#hometownsligans

Frankie Cokeuphenozza

Phobos-Grunt

EdaTeQueramos

Ben Mitchell



# Twitter Who to Follow

twitter

Search

Home

Profile

Settings

Who To Follow

Who to follow


View Suggestions

Browse Interests


Find Friends

Search


Search the services you use to discover which of your friends are already using Twitter. Follow any of the friends you find to add their Tweets to your timeline.

 Gmail


Search contacts

 Yahoo


Search contacts

 Hotmail & Messenger

Search contacts

 AOL

Search contacts

 LinkedIn

Search contacts

You recently followed · view all

Invite Friends

Not finding who you're looking for? Invite friends to Twitter via email. See what you'll send them.

Your friend's email address

Invite

Lots of people to invite? Separate multiple email addresses with commas.

Related Services

Twitter Downloads Download the Twitter app for your mobile.

The NFL on Twitter Follow your favorite NFL team and players.

Choosing a service will open up a window for you to log in securely and authorize Twitter to see your contacts. You'll only see users who have allowed their accounts to be found by email address. Don't worry, we won't share your contacts with anybody or email anyone without your consent.

42



# Twitter Settings

twitter

## settings

Account

Password

Mobile

Notifications

Profile

Design

Applications

Name

You can change your name on your profile settings.

Username

No spaces, please.

Your public profile: <http://twitter.com/>

Email

Note: email will not be publicly displayed.

☐ Let others find me by my email address

Language

What language would you like to Twitter in?

Interested in helping translate Twitter? Check out the Translation Center.

Time Zone

Tweet Location

☐ Add a location to your Tweets

Ever had something you wanted to share ("fireworks!", "party", "ice cream truck!", or "quicksand...") that would be better with a location? By turning on this feature, you can include location information like neighborhood, town, or exact point when you tweet

When you tweet with a location, Twitter stores that location. You can switch location on/off before each Tweet and always have the option to delete your location history. [Learn more](#)

Tweet Media

You may delete all location information from your past Tweets. This may take up to 30 minutes.

By default, you automatically see images and videos only from people you follow. Additionally, you can choose to:

## Account

From here you can change your basic account info, language settings, and your Tweet privacy and location settings.

## Tips

Change your Twitter username anytime without affecting your existing Tweets, @replies, direct messages, or other data. After changing it, make sure to let your followers know so you'll continue receiving all of your Tweets with your new username.

Protect your Tweets if you don't want them to be public. Approve who can follow you and keep your Tweets out of search results.

Learn more by visiting the help center.



# Twitter Settings

Who to follow

محمد المنجد

Search

View Suggestions Browse Interests Find Friends

Results for: محمد المنجد



almonajjid

محمد صالح المنجد

المصنف الرسمي



islamqa\_ar

الإسلام سؤال وجواب

وإجابته بإشراف الشيخ محمد صالح المنجد



Turki\_Homaidan

تركي حويدان التركي



ahmedalobaied

أحمد العبيد

مؤسسة مجموعة زاد لخدمات الحاسب الألي مرافق لدى فضيلت

الشيخ محمد صالح المنجد ومتعاون مع الخدمات المساندة

1

Follow



2

Mention almonajjid

3

Add to list

4

Block almonajjid

5

Report almonajjid for spam

شبكة أنصار المجاهدين

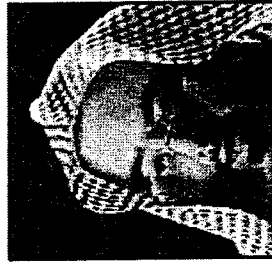
<http://202.71.103.132/vb>

Follow





# Twitter Settings



محمد صالح المنجد

@almonajjid

الصفحة الرسمية

http://www.almonajjid.com

شبكة الغذاء الإسلامية

http://112.137.166.232/~fanb/



Tweet to @almonajjid

Tweets · Favorites · Following · Followers · Lists

20 new tweets



almonajjid محمد صالح المنجد

العلم الحقيقي معاني القرآن والسنة أي: تفسير الكتاب العزيز وتدروح الأحاديث النبوية، إله - والله - الأمر الذي أن نندم على صرف الوقت والعمر فيه

57 minutes ago



almonajjid محمد صالح المنجد

قال العلماء: إنا استأذن فقيل له من أنت؟ كره أن يقول: أنا، لأنه لا يحصل بقرله (أن) فائدة ولا زيادة والإيهام بآق، بل ينبغي أن يقول: فلان باسمه.

6 hours ago



About @almonajjid

650 Tweets · 0 Following · 37,253 Followers · 297 Listed

Similar to @almonajjid · view all



dr\_almuqbil · view all · Follow

...شريعة بجامعة القصيد طالب رئيس الهيئة العالمية لتدوير القرآن



majed\_albloshi · Follow



sabqorg · Follow


معلومات سبق 99 مكتبة ربيتر .. سبق كلمة الأخير الأصوات

Following · view all

About Help Blog Mobile Status Jobs Terms Privacy  
Shortcuts Advertisers Businesses Media Developers  
Resources © 2011 Twitter




# Twitter Settings



**abuabdelelah** عدل الملف الشخصي


Follow



**saad\_alkhathlan** د. سعد الخثلان

استاذ الفقه في كلية الشريعة بجامعة الإمام محمد بن سعود الإسلامية


Follow



**assdais** عبد الرحمن السديس

الخروج عن نقطة البحث = يطيل الحوار ويضيع الوقت، ويقلل الفائدة


Follow



**otsaad** سعد بن منقر الغنيمي

عضو هيئة التدريس بالمعهد العالي للقضاء، أستاذ السياسة الشرعية وعضو الجمعية السعودية للعلوم السياسية (ألفين يمشي مكتبا على وجهه أهدي أمر من يمشي سويا على صراط مستقيم؟)


Follow



**mohamadalsaidi1** mohamadalsaidi

دكتوراة في أصول الفقه جامعة أم القرى


Follow



**ibn\_alqaim** الإمام ابن القيم

أهلاً بكم في الصفحة الرسمية المعتبرة بأقوال وقواعد الإمام الزاهد ابن قيم الجوزية بإشراف طلاب علم


Follow



**amshehri** عبدالحميد الشهري

أستاذ مشارك بجامعة الملك سعود المشرف العام على ملتقى أهل التفسير

Follow



**عبد الرحمن السديس**  
**@assdais** view full profile →  
الرياض

الخروج عن نقطة البحث = يطيل الحوار ويضيع الوقت، ويقلل الفائدة

<http://facebook.com/assdais>

2,668 Tweets | 44 Following | 6,522 Followers | 45 Listed

1 Follow

2 Recent Tweet

شبكة الفناء الإسلامية  
<http://112.137.166.232/~fa/ab/>

assdais عبد الرحمن السديس

يا من توليت مالا علما للمسلمين، قال رسول الله صلى الله عليه وسلم: «ما أصليكم ولا أمعنكم، إنما أنا قاتم أخضع حيث أمرت»  
رواه البخاري

5 hours ago

assdais عبد الرحمن السديس

قال النبي صلى الله عليه وسلم: «إن رجلا يخطوون في مال الله بغير حق، فقيم الله يوم القيامة» رواه البخاري. فليتق الله كل من تولي مالا علما

5 hours ago



# WordPress

WordPress started in 2003 as a service where everyone could be empowered with a voice. It has grown to be the

largest self-hosted blogging tool in the world, used on millions of sites and seen by tens of millions of people every day.

WordPress started as just a blogging system, but has evolved to be used as full content management system and so much more through the thousands of plugins, widgets, and themes

WordPress is a free blogging tool and publishing platform. WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August 2011 powers 22% of all new websites on the Internet.



# WordPress

[http://wordpress.com/](#)

Google

Email or Username

Password

Log In

Remember me

Forgot password?

Sign Up

WORDPRESS.COM

A better way  
to blog.

Get started here

Learn more or sign up now.

Language: English

Freshly  
Pressed!

The best of 357,686 bloggers,  
438,979 new posts, 459,401  
comments, & 103,560,598 words  
posted today on WordPress.com.

☐ Subscribe

Thrifty Thursday: Head to  
Toe Menswear

jeanofalltrades

Posts about fashion →

Monkey Has Left The  
Building

Lessons From Teachers and Twills

Posts about education →

Compost Bin Experiment

Lower Dover Field Journal

Posts about gardening →

Nick Cobby

iwantTordellabicycle

Posts about design →

The Art of Occupation

New American Paintings/Blog

Posts about san-francisco →

Karnataka, India

Posts about photography →

Brighton Pier

therenosstudio

The 5 People You Meet as a  
Gay Dad

Where Do Gaybies Come From?

Posts about gay →

48



# WordPress

Dashboard · WordPress 3.1 RC4 — WordPress

http://localhost:8888/wordpress31/wp-admin/index.php

admin · Add New · Comments · Appearance · Updates 1

Search

New Post · Howdy, admin | Log Out · Screen Options · Help

Dashboard

Log Out

Dashboard

Updates 1

Posts

Media

Links

Pages

Comments

Appearance

Themes

Widgets

Menus

Background

Header

Editor

Plugins 1

Users

Tools

Settings

General

RC4 Search Engines Blocked

Dashboard

Right Now

Content

1 Post

1 Page

1 Category

0 Tags

Discussion

1 Comment

1 Approved

0 Pending

0 Spam

Theme Twenty Ten with 6 Widgets

You are using WordPress 3.1-RC4.

Change Theme

QuickPress

Title

Upload/Insert

Content

Tags

Save Draft

Reset

Publish

Recent Comments

From Mr WordPress on Hello world! #

Hi, this is a comment. To delete a comment, just log in and view the post's comments. There you will have ...

View all

Recent Drafts

There are no drafts at the moment

WordPress Blog

WordPress 3.0.5 (and 3.1 Release Candidate 4) February 7, 2011

WordPress 3.0.5 is now available and is a security hardening update for all previous WordPress versions. This security release is required if you have any untrusted user accounts, but it also comes with important security enhancements and hardening. All WordPress users are strongly encouraged to update. Three point oh point five Enhances security Three point [...]

Incoming Links

This dashboard widget queries Google Blog Search so that when another blog links to your site it will show up here. It has found no Incoming links... yet. It's okay — there is no rush.







# LinkedIn



LinkedIn

Home What is LinkedIn? Join Today Sign In

Sign In to LinkedIn

Email address:

Password:

Forgot password?

[Sign In](#) or [Join LinkedIn](#)

LinkedIn Corporation © 2011 | [User Agreement](#) | [Privacy Policy](#) | [Copyright Policy](#)



# LinkedIn

- Business-focused with enforced limits to interaction between users
- Currently at 90 million user accounts spread over 200 countries
- Currently has 21.4 unique active users each month
- 25 years to 35 years is the largest demographic group
- Targets professionals allowing members to create a profile describing professional backgrounds and facilitates communication with others
- Profiles segregated based on education and/or work experience
- Use for criminal communications appears to be limited
- Can be used to identify people with certain knowledge areas/expertise
- No reliability checks performed on profile information



## 35

35



# LinkedIn Profile Page

LinkedIn Account Type: Basic

Home Profile Contacts Groups Jobs Inbox Companies News More

People Search... Add Connections Advanced

How to Select a Firewall - The definitive guide for evaluating enterprise network firewalls From: Palo Alto Networks

**John N Johnson, CISSP, CEH**  
Instructor for Cyberterrorism Defense Analysis Center  
Houston, Texas Area | Government Administration

**Current** Instructor & Curriculum Developer at Cyberterrorism Defense Analysis Center  
Information Security Officer (ISO) at Houston Police Department

**Education** Houston Police Academy  
University of Houston

**Connections** 88 connections  
**Public Profile** <http://www.linkedin.com/pub/>

Share PDF Print

Improve your Profile Edit Profile

Ask for recommendations  
Create your profile in another language

**Ads by LinkedIn Members**

**IT Security Threats Event**  
First 100 End Users Complimentary - Jan 23-25, 2012 - Washington, DC

**Network Cabling**  
Voice & Data Cabling, Network, Fiber and Data Center wiring, Houston Based

**How to Select a Firewall**  
The definitive guide for evaluating enterprise network firewalls

## Summary

CISSP License # January 2006  
CEH License # September 2007  
Security+ Certified Professional License # April 2005

## Specialties

Information Security/Information Assurance  
Policy and Compliance

## Experience

**Instructor & Curriculum Developer**  
Cyberterrorism Defense Analysis Center  
January 2006 - Present (5 years 11 months)

**Information Security Officer (ISO)**  
Houston Police Department  
September 1981 - Present (30 years 3 months)

**John N's Connections (88)**

Shon  
Gary  
David

See all Connections >

Note: Currently your connections are allowed to view your connections list. Edit

**John's Recommendations (1)**

Latasha

66 I have worked with Latasha in my capacity as



# LinkedIn Advanced Search

People

Search

## Advanced Search

Tip: Get Search tips & shortcuts in our Learning Center.

People Search

Reference Search

Keywords:

Wiley

First Name:

Location:

Anywhere

Last Name:

Country:

Anywhere

Located in or near  
United States

Postal Code:

46220

Within:

50 mi (80 km)

Title:

Current & past

Industry:

☐ Accounting  
☐ Airlines/Aviation  
☐ Alternative Dispute Resolution

Company:

Current & past

School:

Current & past

Interested In:

All users

Language:

☐ All Languages  
☐ English  
☐ Spanish

Joined:

At any time

Networks:

☐ Limit search to my network only

Sort By:

Relevance

View:

Basic

Search



# Module 3



## Case Studies and Review of Successful Investigations



# Module Objectives

## **Module 3 Learning Objectives:**

Understanding case studies and investigations involving social networking evidence.

## **Lesson Objectives:**

1. Acquaint the Learners with various outside (non-HPD) and inside (HPD) investigations that made use of social networking.
2. Acquaint the Learners with the implications of social networking to prosecution of offenders
3. Acquaint the Learners with the implications of social networking for defense of offenders



# Outside Investigations – Case # 1

Swave Carter, 19, of Cleveland, OH was arrested for robbery, kidnap, and assault after investigators noticed him wearing a coat in his Facebook profile which was stolen from a 17-year-old robbery victim.

Carter had taken the coat when his victim could only produce \$35 in cash.





# Outside Investigations – Case # 2

Rudy Guede, wanted in the murder of British student Meredith Kercher was arrested in Germany after being on the run for almost a year.

The trail leading to Guede was cold until he logged into Facebook, enabling police to trace his computer.

Guede is serving a 16-year sentence while co-defendants Amanda Knox and Raffaele Sollecito were acquitted on appeal.





# Outside Investigations – Case # 3

Louisville, KY police arrested Shaun South and are looking for his friend, Kyle Bieber, after it was learned they had committed a series of burglaries and were bragging about it on South's Facebook profile.

Investigators sent South a friend request posing as an attractive young female.

The pair were planning additional crimes using Facebook messages and chats.

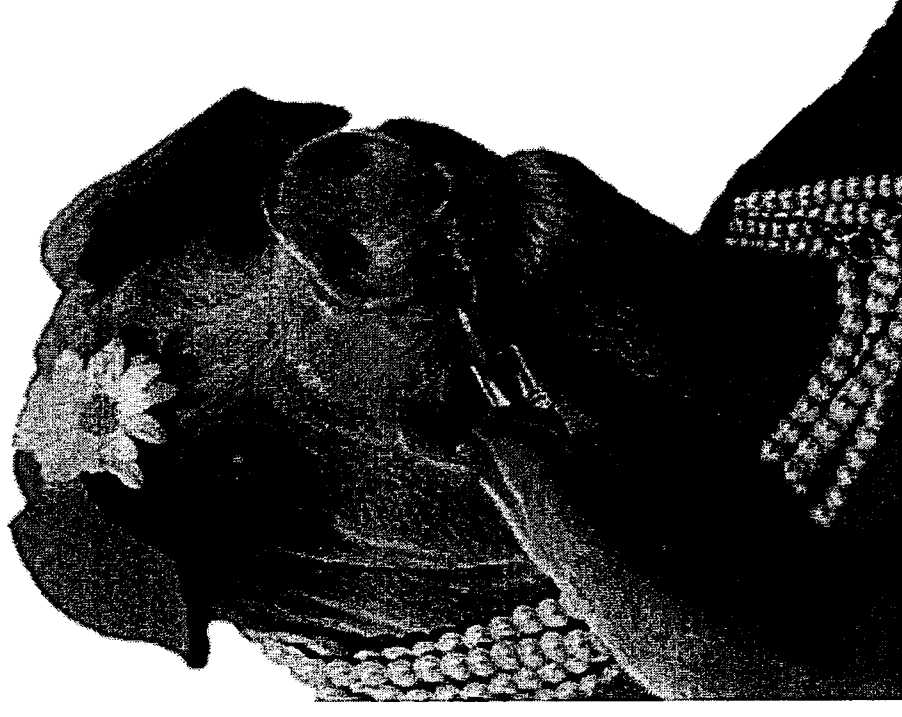




# Outside Investigations – Case # 4

A retired HPD Officer working in Austin County as a financial crimes investigator had a case involving a woman who met a man on an Internet dating site. The man moved in with her, used her credit cards, and moved out before she got the bill.

To locate the suspect, the investigator posted a fictitious Facebook account as a female and sent the suspect a friend request. After flirting with the suspect for a while, a date was arranged. The suspect was arrested when he arrived for the date. The investigator said, “He never figured out what happened. He was just “bummed that he never got to meet the pretty lady he had a date with”.





# Outside Investigations – Case # 5

When 23-year-old Eric Walsh of Wilmington, DE overdosed on heroin the day after Christmas in 2009, Detective Pat Nally turned on Walsh's computer and looked at his Facebook and MySpace pages for clues.

The profile led to the discovery of conversations between Walsh and his associates to buy and sell drugs.

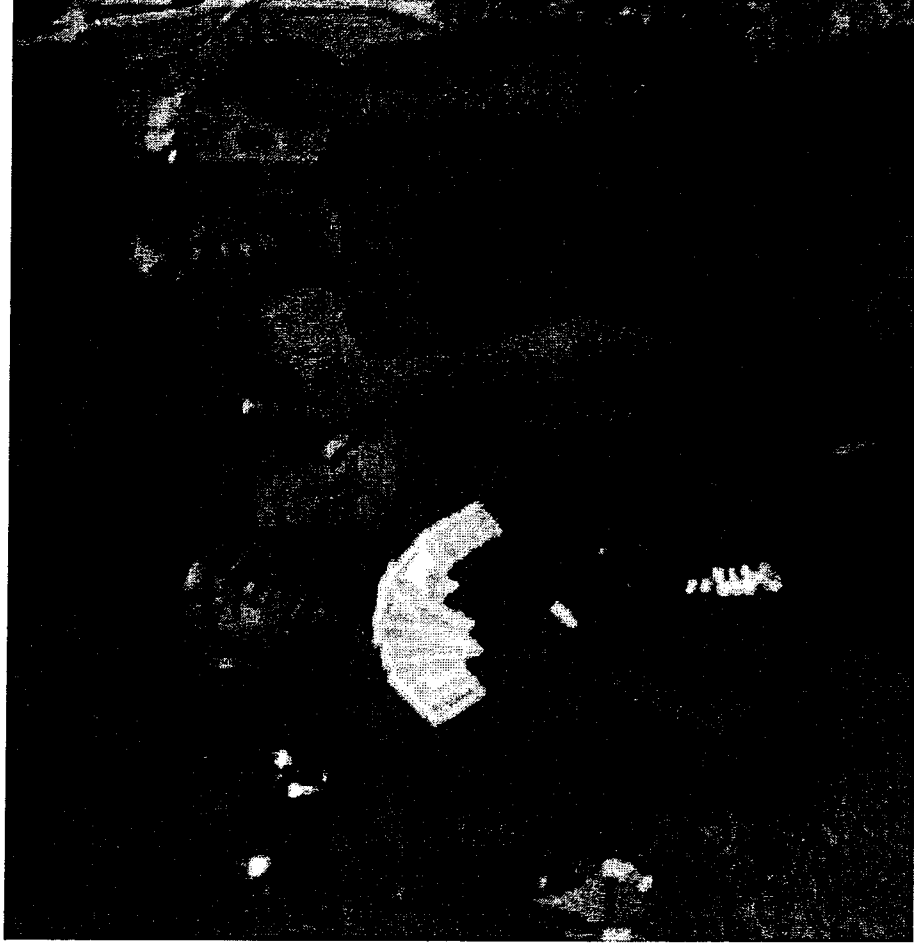
According to Nally, "People arrange to buy and sell drugs on Facebook; there's talk of what they may do and where they may go. We'd be foolish not to use it as an investigative tool."



# Outside Investigations – Case # 6

It wasn't a pretty picture for Crown Heights heroin dealer Tyrell "Handsome Rell" Blue, whose MySpace page featured a photo of himself with a wad of cash and a claim that he earned \$250,000 a year selling drugs at several night clubs.

That information was used against him he was charged with five others with multiple counts of trafficking and selling narcotics.





# Outside Investigations – Case # 7

James Roberts, 27, bragged on his MySpace page a day after he mugged a man at a bus stop.

Roberts sealed his fate with pictures of himself and his ill-gotten gain, which included an expensive watch and ring he swiped from the victim.

Detectives showed the photo to the victim, who identified him and the stolen ring. Roberts and his partner, Darryl Calier, are serving five years each for robbery.

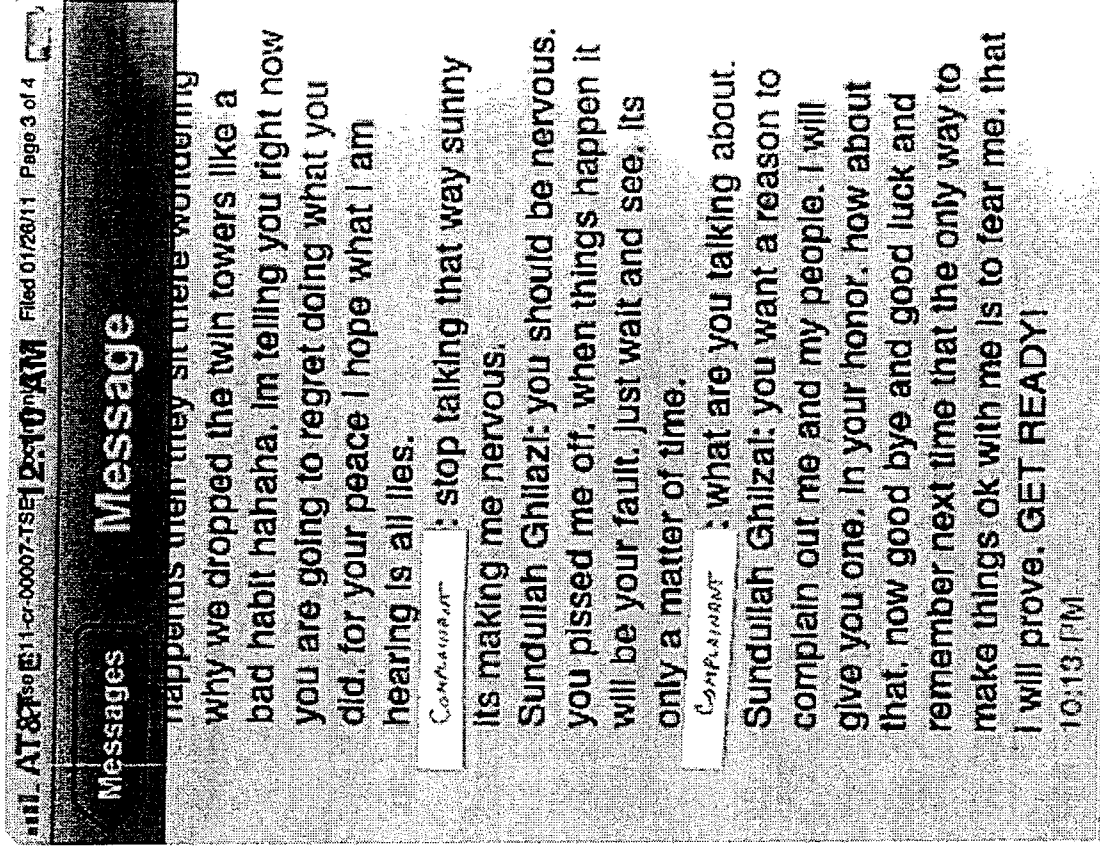




# Outside Investigations – Case # 8

Awais Younis, 25, also known as Mohhanme Khan and Sundullah Ghilzai, of Arlington, VA was charged with communicating threats after posting on Facebook that he intended to put pipe bombs on Metro cars in Georgetown at rush hour.


Younis had posted instructions on Facebook about making pipe bombs and was chatting about what kind of shrapnel would cause the most damage.





# Outside Investigations – Case # 9

## The Murder of Kim Proctor



Album: Photos of Kimberly Proctor Missing  
- Last seen Thursday March 18th, 2010  
Shared with: Public  
Download  
Report This Photo

1:11:56 Welwood: What are you doing tomorrow?

1:12:07 Proctor: nothing other than baby sitting at 3:00

1:12:38 Welwood: I'm bored and was looking for someone to chat with today. I also wanted to apologize.

1:12:45 Proctor: oh ?

1:12:52 Welwood: I have some things I'd rather tell you in person about the entire Zach fiasco.

1:12:59 Proctor: this is sudden an I can't help but wonder why

1:13:15 Proctor: I don't wanna talk about Zach...((

1:13:27 Welwood: Zach and I aren't as close as we used to be, but I feel you deserve an explanation

1:13:32 Welwood: Don't worry, it's not much

1:13:47 Welwood: It's more about why Cam, and me, and everyone was so mean

1:13:50 Proctor: wut ever happen to Kim u deserve nothing u kill your rabbit. ha ha

1:14:08 Welwood: That's what I wanted to talk about

1:14:22 Proctor: I gotta say when I saw ur text I was shocked..

1:14:34 Proctor: an confused..

1:14:41 Welwood: But like I said, I'd rather talk in person. I can meet you tomorrow earlier than her babysitting and talk about it over a couple beers



# Outside Investigations – Case # 9

## Planning A Murder

Kim Proctor (16) was no different than any teenage girl. Easily hurt by insults and just as easily swayed by compliments. But when Kim went from average kid to missing girl, her storyline took a tragic turn. Police in British Columbia uncovered a tale of murder when they peeked behind the digital curtains of Kim's supposed friends, Kruse Wellwood and Cameron (Cam) Moffat.

Kruse had been scouring the Internet, collecting images of women bound and distressed. During one MSN chat, Cam told Kruse he wanted to rape a girl they both knew, and suggested they tie her up and take turns having sex with her. "Its going to be fun plus get a bit of a thrill," Cam typed, "plus might make her pregnant."

In another chat session, Kruse asked a girl from Halifax, "What would your opinion be on me if I killed, raped, or brutalized someone?" The two had met a few years before on *World of Warcraft*, and grown close online as members of the same gaming guild, eventually falling for each other.



# Outside Investigations – Case # 9

## The Crime

Kruse called Kim and asked her to come to his house. He had something very important to tell her. Kim agreed to stop by when she was finished with a babysitting job. Shortly after she arrived at the house, the boys attacked, kicking and hitting Kim as they bound her hands and ankles. Kruse stuffed a sock in Kim's mouth, which he then wrapped in duct tape. The two raped and beat Kim for hours until she died from suffocation. They mutilated her with a knife and stuffed refuse, including four-inch-long lollipop sticks, into her vagina and anus. They moved her body to a freezer in Kruse's garage.

At some point, possibly while Kim was still alive, Kruse sat at his computer and sent her one last instant message—his alibi, he thought—asking her if she was done babysitting yet.

The next morning, Kruse and Cam put Kim's body into a hockey bag and boarded a bus. Once at the site where they planned to dump Kim's body, they trudged into the woods and under a bridge. They doused the bag in fuel and lit it on fire.



# Outside Investigations – Case # 9

## The Crime (continued)

At some point while they were dumping Kim's body, Kruse got out his phone and sent a text message. Prior to this, Kruse hadn't tried hard to cover his tracks. But, as he later told the girl from Halifax, sending that text from under the bridge might have been a crucial mistake. He wondered if the police could trace the text from his phone at this spot where Kim's body was dumped. What if his digital trail led them to Kim's body?

With Kim's death consuming the town and the local news, Kruse became increasingly paranoid about leaving any more evidence online. But he couldn't resist the urge to share his story with someone he trusted. He was afraid of using MSN, but he thought the chat logs in *World of Warcraft* were less likely to be saved. Five days after Kim's murder, he told his gamer girlfriend in Halifax on MSN that he had something urgent to tell her, but that he wanted to say it over *World of Warcraft* chat instead. Once inside *World of Warcraft*, he confessed to the crime.



# Outside Investigations – Case # 9

## The Investigation

Soon, police had enough evidence to secure a warrant to monitor and analyze Kruse's and Cam's online activities. Keeping Kruse and Cam under close surveillance, the police placed traces on their cell phones, and even bugged the gazebo where the teens hung out in the park.

Through forensic analysis of the boys' computers and cell phones, they dug up their Google and Wikipedia searches, as well as old transcripts of texts and instant messages. In total, the Tech Crimes Unit amassed the equivalent of 1.4 billion sheets of paper on the two.





# Outside Investigations – Case # 9

## The Trial

Cam was led into the courtroom first. He wore a white shirt and black pants and had let his sideburns thicken to his jaw line. Shackles rattled around his ankles.

Kruse followed, also in chains. He was dressed in an ill-fitting gray suit and tie. He wore an owlsh pair of glasses, and his hair fell in a bowl cut around his ears.

The hearing was swift. Both boys would be transferred to adult, facilities where, the prosecutor pointed out, a more comprehensive sexual-offender-treatment program is offered, including chemical castration (a controversial drug-treatment plan used in Canada to reduce the likelihood of recidivism in sex crimes).



# Outside Investigations – Case # 9

## The Aftermath

Four months had passed since Kim's death, and her friends were still struggling to recover. Kim's best friend, Samantha Kennedy said, "I haven't laughed since Kim died."

She was searching her memory for hints of the horror that was to come. She wasn't alone. At least four girls have come forward to tell of on-line posts of "rough, fast sex, bondage, and verbally abusive comments, and fantasies of murder" posted by Kruse and Cam in the months leading up to Kim's murder.





# HPD Investigations – Case # 1

HPD's Recruiting Division exercised good due diligence by checking a prospective police cadet through social networking sites. The prospective employee was found to have a profile where he had posted photos of himself with gang paraphernalia and weapons.

Further investigation revealed that the candidate was a former (or possibly current) gang member. The candidates' application for employment was denied.

Researching social networking sites prevented the department from hiring a person who could have, at the least, been a gang sympathizer.



# HPD Investigations – Case # 2

An Officer with IFR was working an identity theft case. The primary suspect, Chanette Bell, was identified as a suspect in stealing identities, obtaining credit, and placing orders for gift cards at various locations. One location was able to provide clear video footage of the suspect and her accomplices, who were unknown.

The investigator searched Facebook and learned the suspect had a Facebook profile. Her profile led to the profiles of Keyonna Randle and her boyfriend, Lakeith Bell. Photographs of all suspects were subsequently identified as being the persons in the crime scene video.

All three were charged with Engaging in Organized Criminal Activity.



# HPD Investigations – Case # 3

A Robbery investigator set up a fictitious Facebook account sent friendship requests to suspects who had Facebook profiles.

This made it possible to access to the suspect's photos, posts, and acquaintances, allowing the investigator was to discover leads that would have otherwise gone undetected.





# Topics on Prosecution

- Tell your victims and witnesses NOT to communicate about the case or the suspect at ALL, let alone on Facebook, MySpace or any other such forum.
- Always be professional – remember that you are a police officer 24/7. Don't say anything you would not want attributed to you or the department on the front page of *The New York Times*





# Topics on Defense – Case # 1

Defense Attorney Steve Balash of Santa Barbara was defending Jessica Binkard in a DUI case where in which one of Binkard's passengers was killed.

Balash expected Binkard would be placed on probation but, instead, she was sentenced to 5 years and 4 months behind bars – in large part because her MySpace profile had a picture of her holding a shot glass and an alcohol advertisement that was published after the accident.

Balash argued that the picture was a Halloween costume and that his client had not been drinking. According to Balash, "That's all the judge talked about. He never got past that." He said Binkard had "learned no lesson and showed no remorse."



# Topics on Defense – Case # 2

June 2010 – Matthew Cordova got 5 years in prison for holding up a University of Arizona student with a gun.

Jonathan Mosher, a deputy county attorney in Pima County found a MySpace picture of Cordova holding the weapon and postings about it.

“At sentencing, the defense team was trying to portray him as a guy who had found religion and was very peaceful and hadn’t been in much trouble, so that’s where we were able to use his MySpace posting and photo,” Mosher said.



# Topics on Defense – Case # 3

Joshua Lipton was sentenced to 2 years in prison for seriously injuring a woman while driving drunk. A photo showing Lipton dressed in an “inmate” Halloween costume labeled “jail bird”, was taken two weeks after the accident and posted on Lipton’s MySpace page.

Prosecutors used it to paint Lipton as an unrepentant partier who lived it up while his victim recovered in the hospital.

A judge agreed, calling the pictures depraved while sentencing Lipton.

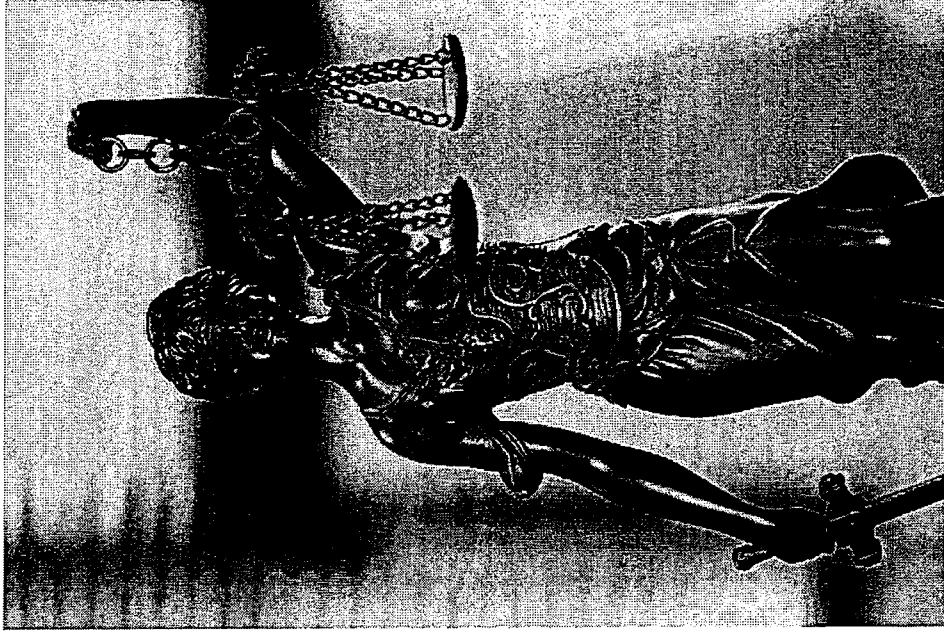




# Topics on Defense – Case # 4

In the case of U.S. v. Gregory Alan Ebersole, 263 Fed. Appx. 251 (3<sup>rd</sup>. Cir. 2008), The defendant's MySpace page was admitted at a supervised release revocation hearing after prosecutors found a posting of the lyrics to a Skanska song called "*Justice Is Coming*" – which go like this:

I used to love her,  
but I had to kill her,  
I had to put her,  
Six feet under,  
And I can still hear her complain.





# Topics on Defense – Case # 4

## (continued)

Ebersole’s post concluded:

“I vowed justice against my false accuser and I have never broken my word of honor...I honestly don’t know how much time is left before she forces my hand.”

Ebersole’s attorney argued the MySpace posting was nothing more than a “vehicle to voice [his] frustration.

The District Court didn’t buy the argument and found that Ebersole’s post violated the conditions of his supervised release because it was reasonable to assume the message would reach the victim and any reasonable person would interpret it as a threat.



# Module 4



## Capturing Evidence and Working with Site Administrators



# Module Objectives

## **Module 4 Learning Objectives:**

Understanding how proactive versus reactive investigations should be handled, various tools that may be helpful in those investigations, and methods to capture on-screen information for case records.

## **Lesson Objectives:**

1. Acquaint the Learners with considerations regarding proactive and reactive investigations.
2. Acquaint the Learners with various investigative tools
3. Acquaint the Learners with methods to capture on-screen information and videos.



# Reactive Investigations versus Proactive Investigations

- Working with or as a “profile holder”
- Using citizen informants as an agent for law enforcement
- Authorized access to accounts
- Unauthorized access to accounts
- Fruit of the Poisoned Tree
- USC 1030
- Importance of staying in compliance with each site’s Terms of Service (TOS)



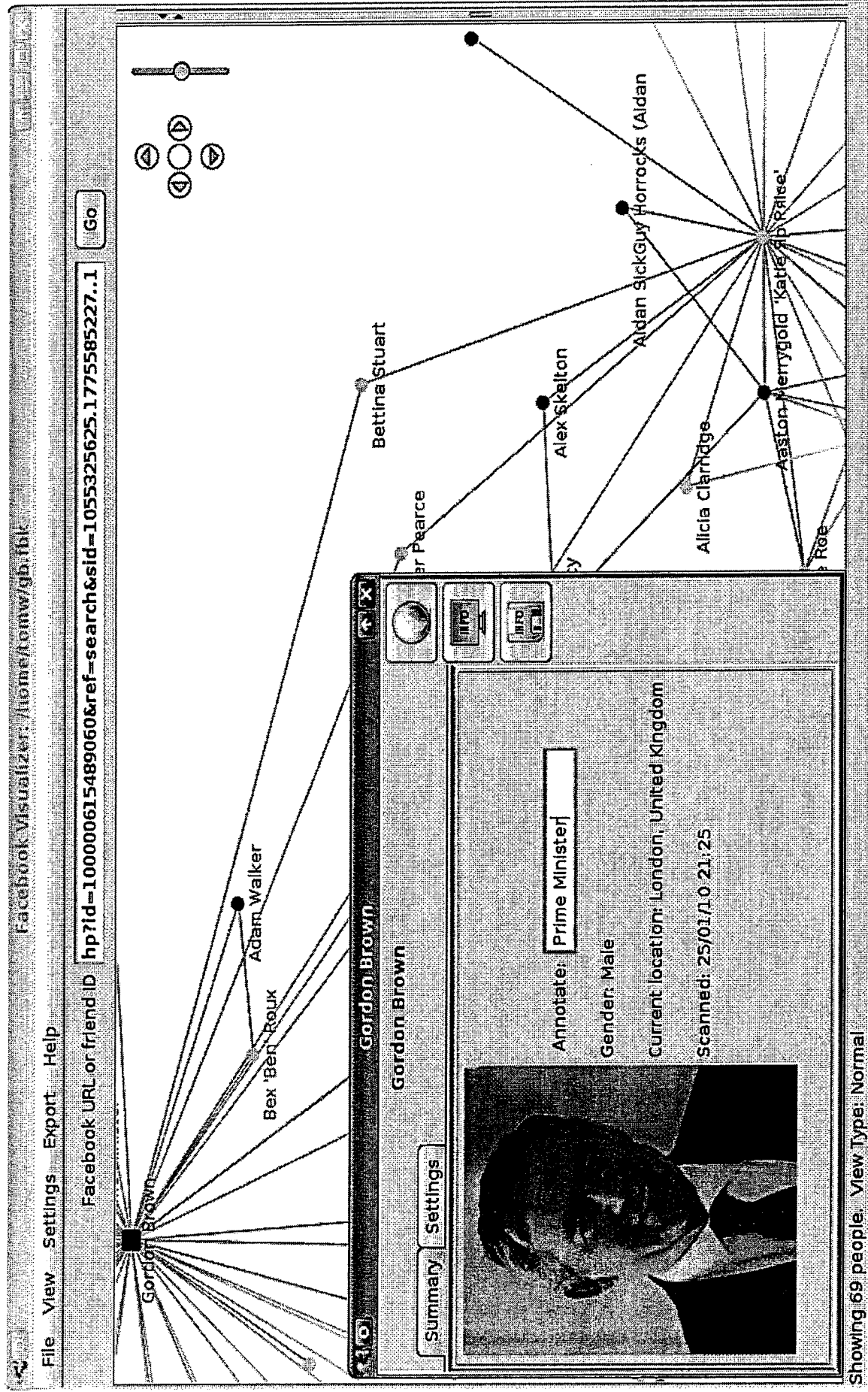
# Facebook Visualizer

➤ [www.lococitato.com](http://www.lococitato.com)

- Law Enforcement use ONLY
- Technically violates Facebook's Terms of Service
- Free version explores up to 200 pages/50 friends
  - ✓ Allows for search through all downloaded pages
- Payed version (approx \$40.00 per PC) will explore up to 10,000 pages/10,000 friends
  - ✓ Allows for information download for a permanent record
  - ✓ Allows for View and Export of wall and info tabs for import into Excel, CSV, or other applications
  - ✓ Allows for export of error log detailing all errors generated while mapping a network.

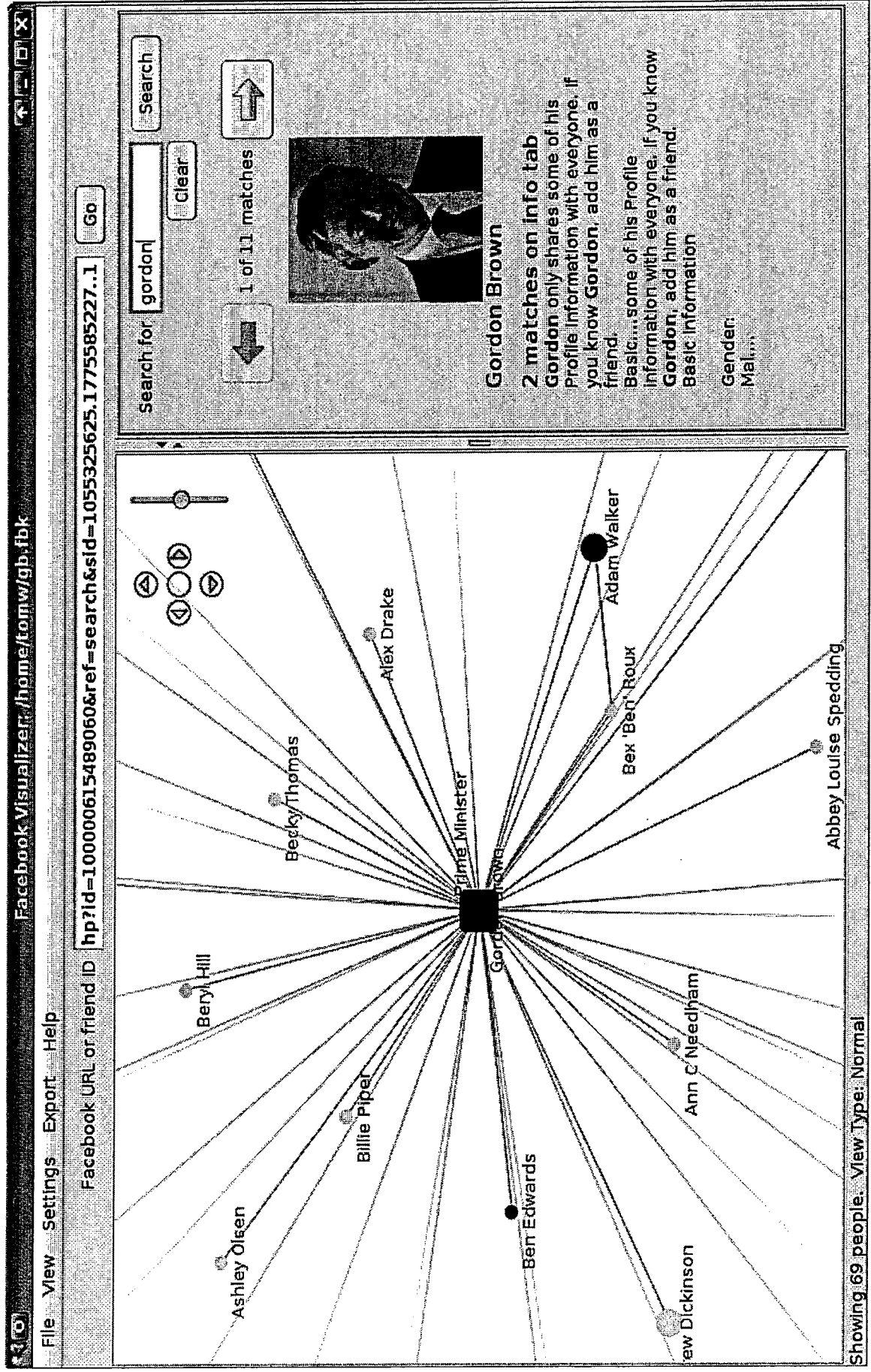


# Facebook Visualizer





# Facebook Visualizer





# MySpace Visualizer

➤ [www.lococitato.com](http://www.lococitato.com)

- Free version explores up to 200 pages at once
  - ✓ Allows search through all downloaded pages and blogs, and export of the network as a JPG
- Licensed version (approx \$32.00 per PC) will explore up to 1,000 pages at once.
  - ✓ Allows for load and save of all downloaded information including a permanent record of the page source
  - ✓ Allows for export of downloaded images and blogs as a CSV for import into Excel or other applications
  - ✓ Allows for View and Export of page source information; Allows for printing or export to PDF



# MySpace Visualizer

File View Settings Export Help

MySpace URL <http://www.myspace.com/lococitato> Go

MySpace Visualizer 2: home/omw/higgs.ny.s2

Search for guitar Search Clear

4 of 21 matches

**Jeff Knapp**

10 matches on profile page  
Michael Hedges totally turned the lexicon of acoustic guitar on it's head. He blew everybody's mind with his innov... astonishing and made you want to go home and smash your guitar into little tiny pieces. He is the biggest influen....

Summary Photos Blogs Settings

Annotate: [ ]

Age: 52

Last Login: 31/10/2009

Gender: Male

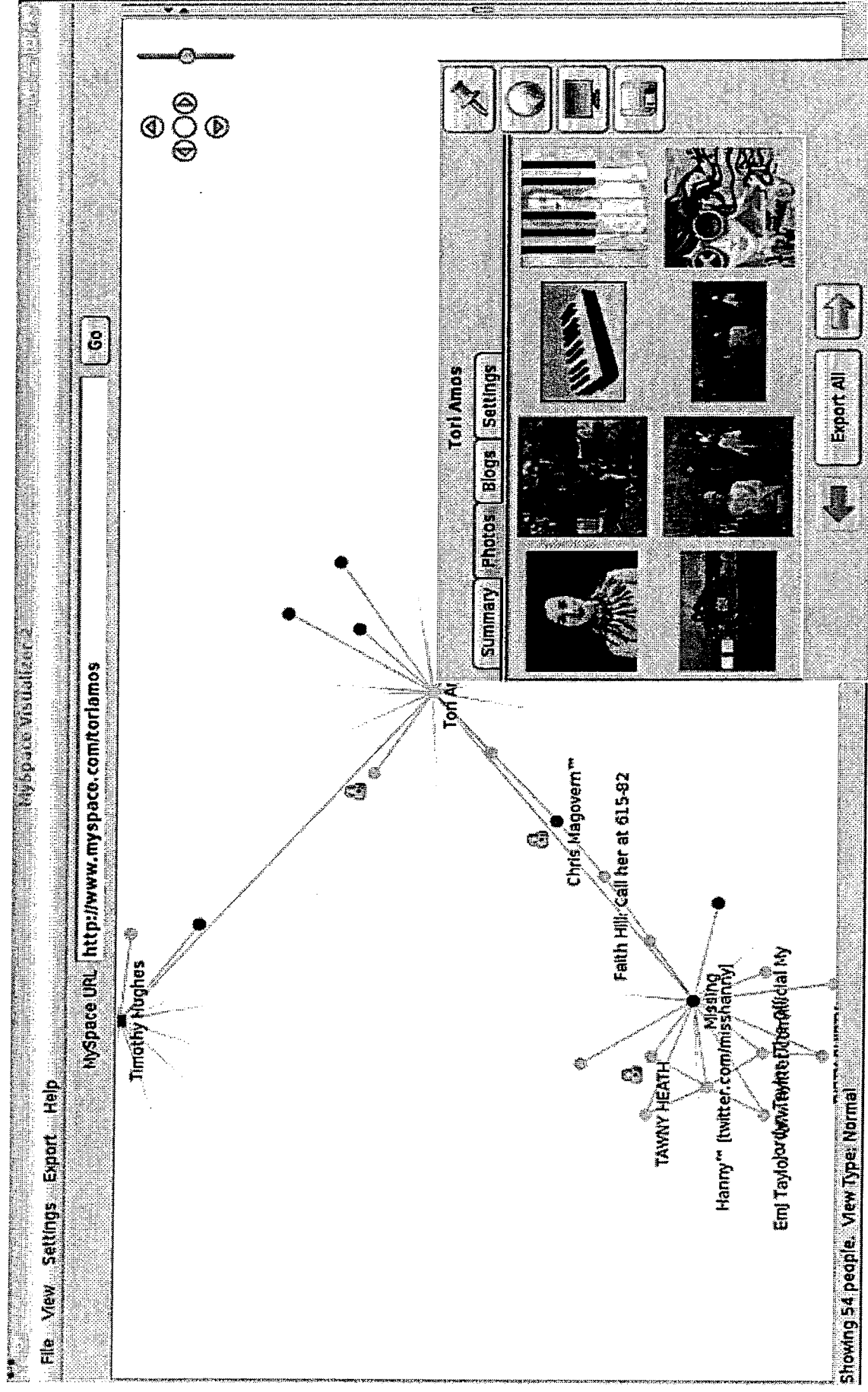
Location: Devon, Pennsylvania  
United States

Scanned: 11/11/09 10:52

Showing 79 people. View Type: Normal

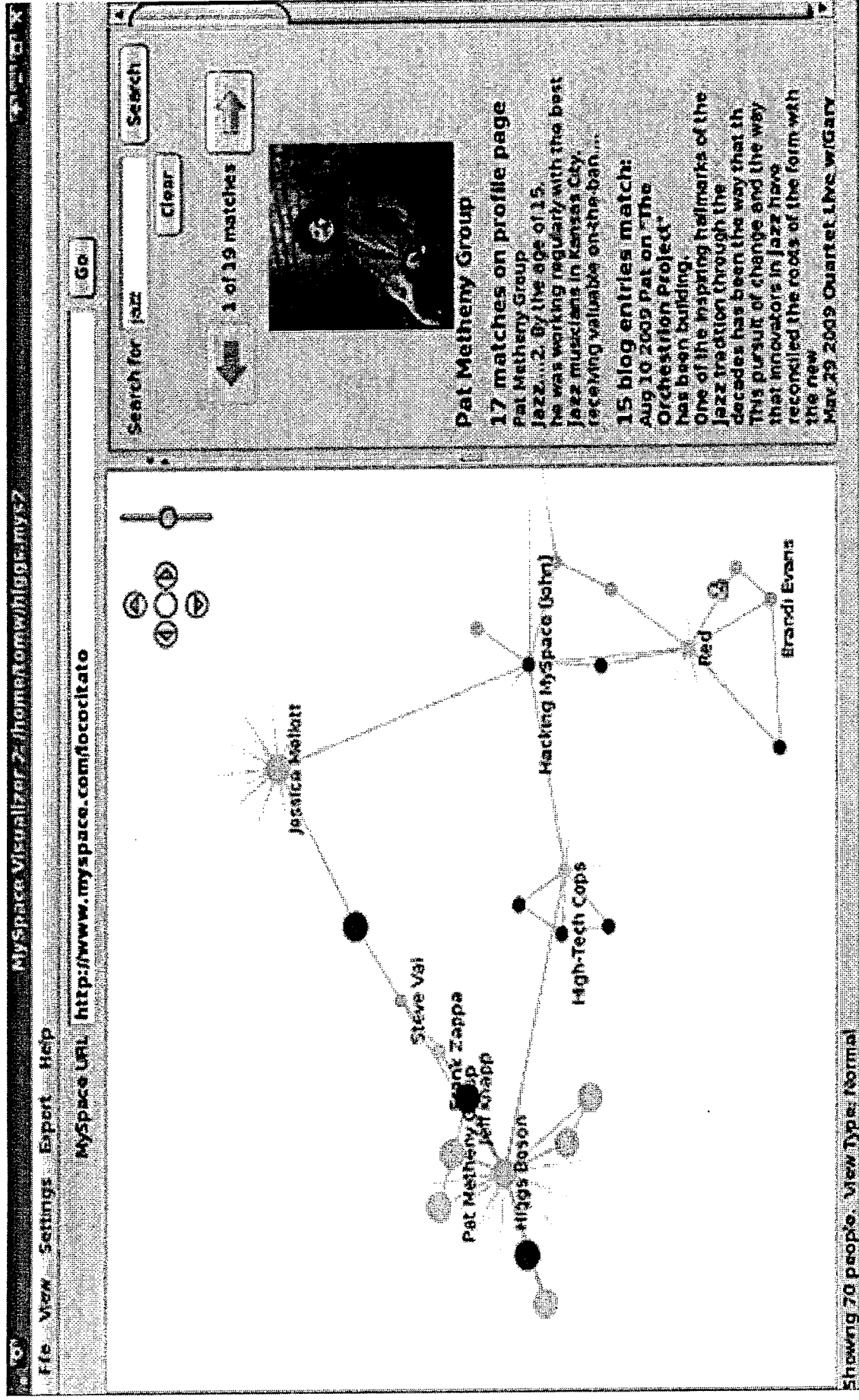


# MySpace Visualizer





# MySpace Visualizer





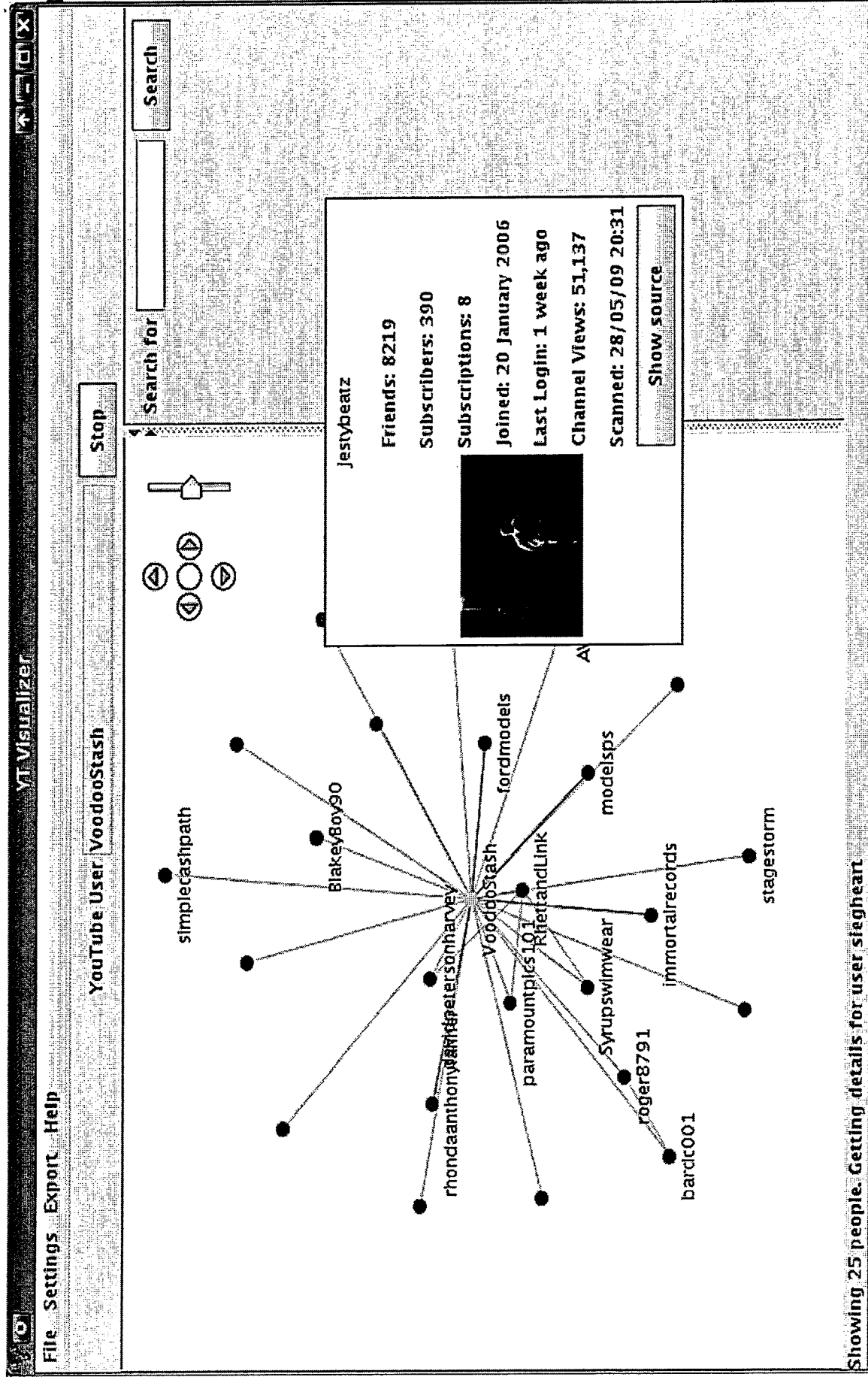
# YT (YouTube) Visualizer

➤ [www.lococitato.com](http://www.lococitato.com)

- Free version explores up to 200 pages at once with search and view of all downloaded page and page source information.
- Licensed version (approx \$24.00 per PC) will explore up to 1,000 pages at once.
  - ✓ Allows for load and save of all downloaded information including a permanent record of the page source.
  - ✓ Allows for export to CSV for import into Excel or other applications.
  - ✓ Allows for export of the network as a JPG.
  - ✓ Allows for printing or export to PDF.

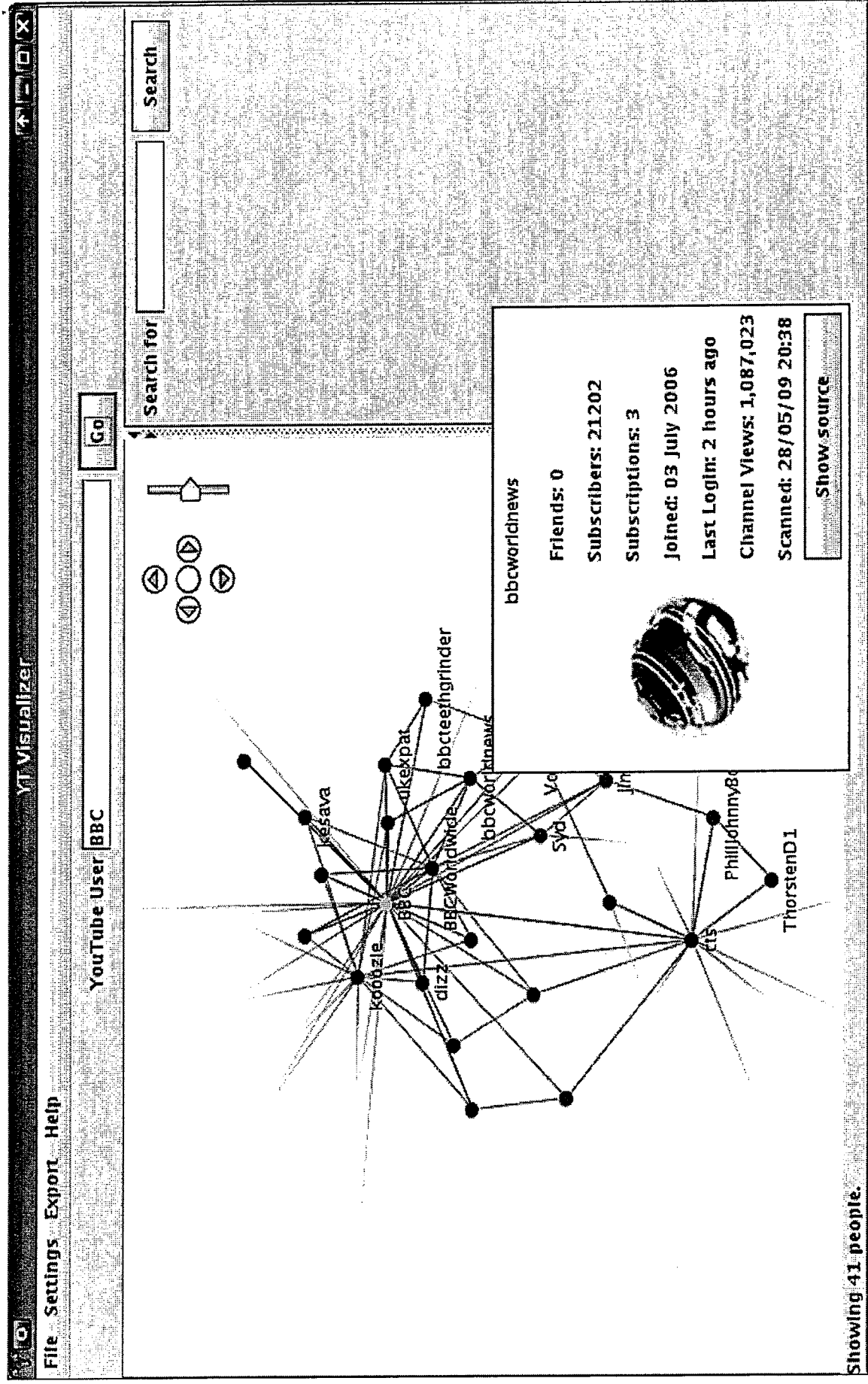


# YT (YouTube) Visualizer





# YT (YouTube) Visualizer





# pipl.com

## Comprehensive People Search

### ➤ [www.pipl.com](http://www.pipl.com)

- People locator service with some free services and several “pay-for” deeper search and location options.
- Accesses the “invisible web” or “deep web”
  - Vast repository of underlying content, such as documents in online databases that general-purpose web crawlers can’t reach.
  - Deep web content is estimated at 500 times that of the surface web, yet remains mostly untapped due to the limitations of traditional search engines.
- Since most personal profiles, public records and other people-related documents are stored in databases and not on static web pages, most information about people is simply “invisible” to a regular search engine.



# pipl.com

## Comprehensive People Search



# pipl

SEARCH

### The most comprehensive people search on the web

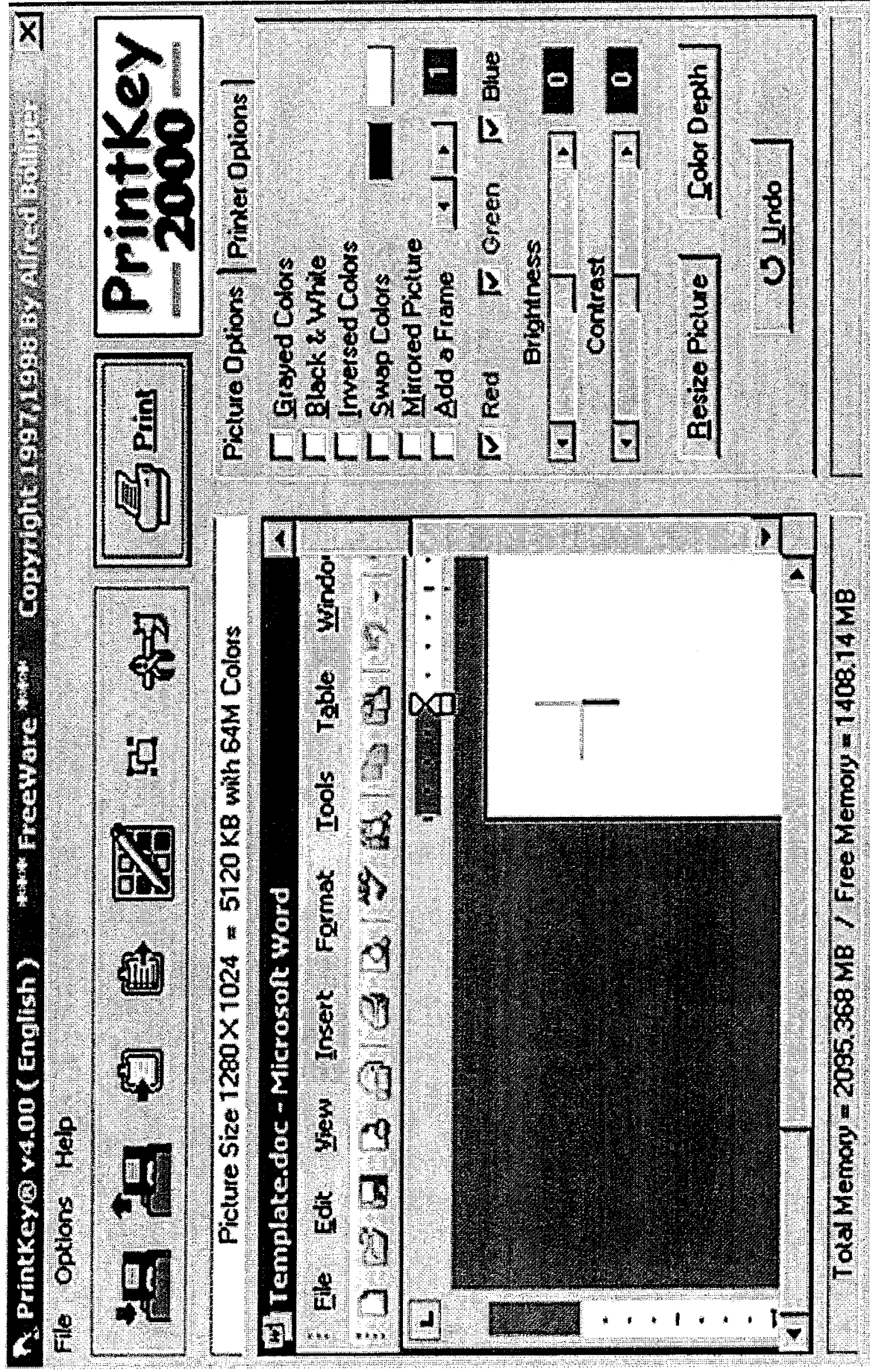
We dive into the deep web to bring you results you won't find in any other search engine then we use a powerful identity resolution engine to link those seemingly disparate results into a set of meaningful profiles so you can easily find the person you are looking for.

Sounds too good to be true? See what our users have to say, learn more about what's under the hood or just give it a try...

[Terms](#) | [Privacy](#) | [Directory](#) | [Developers](#) | [Help](#) | [Contact](#) | [Old Version](#) | © 2005-2011 pippl

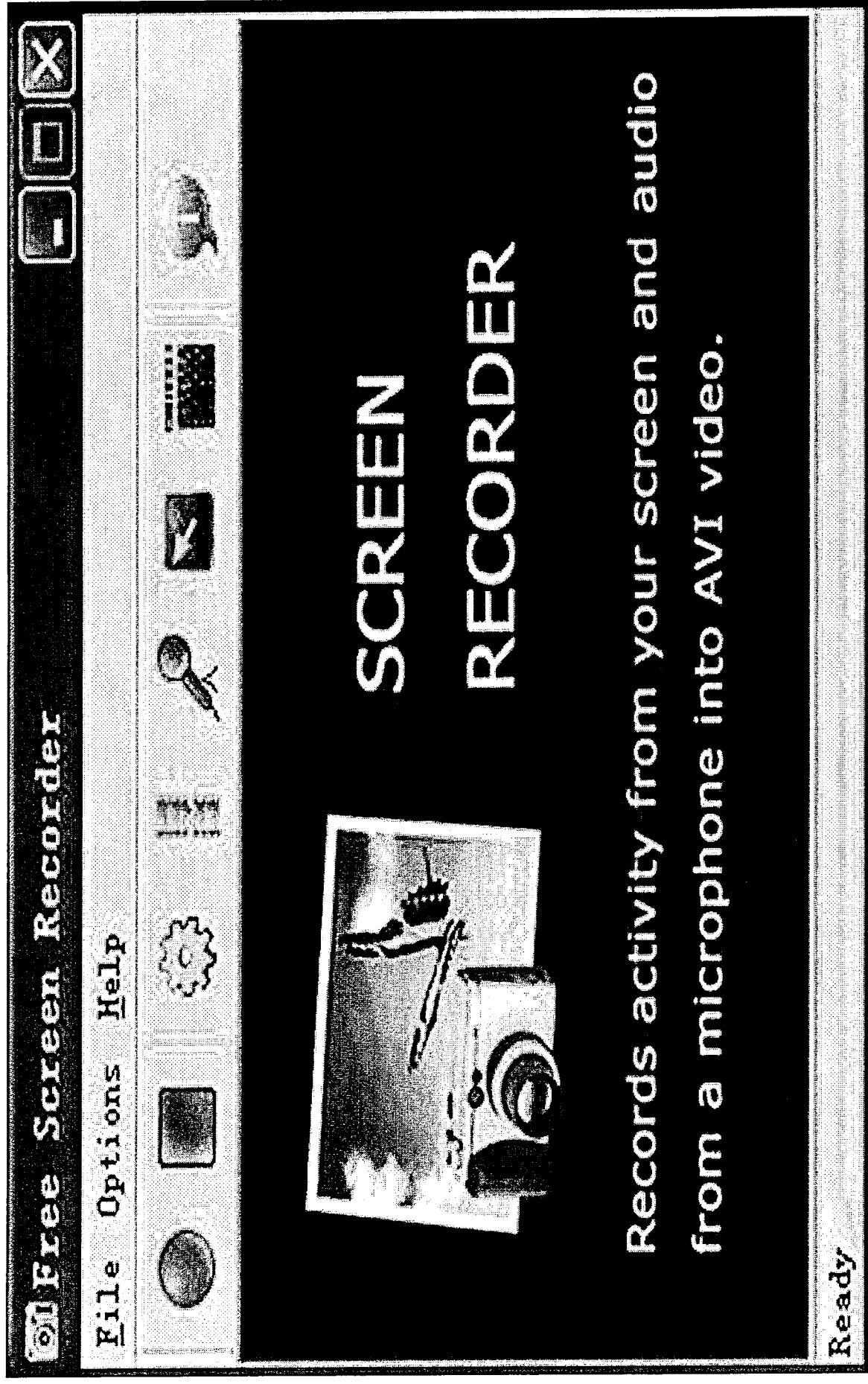


# PrintKey (Screen Capture)





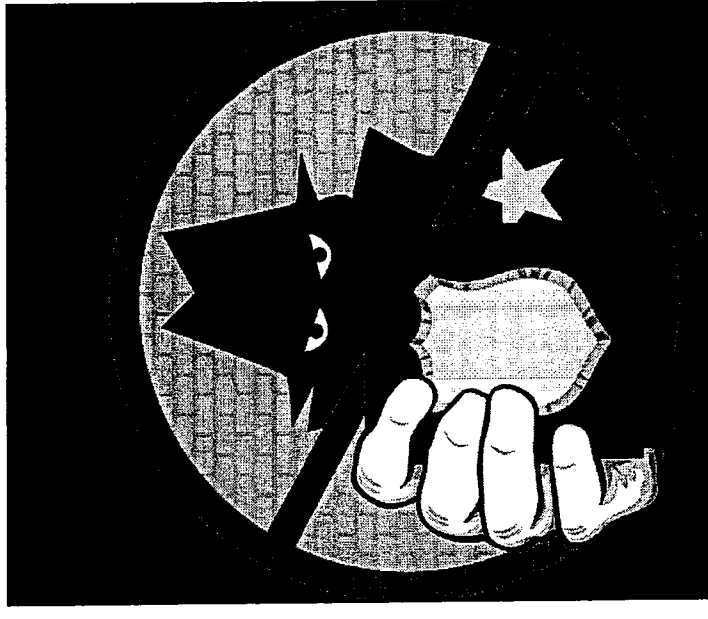
# Screen Recorder (Video Capture)





# Undercover Investigations

- Reasons for undercover investigations include:
  - ✓ communicating with suspects
  - ✓ gaining access to non-public information, and
  - ✓ mapping social relationships and personal networks
- Covert nature of undercover investigations will almost certainly violate the site's Terms of Service



- U.S. v. Drew – if a law enforcement officer violates a site's Terms of Services, is that “otherwise illegal activity” ?



## U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

United States v. Lori Drew was a criminal case in which Drew was convicted and then subsequently acquitted of violations of the Computer Fraud and Abuse Act (CFAA) over the "cyber-bullying" of a 13 year old, Megan Meier. Meier died by suicide as a result of the bullying.

Drew, a 49 year old woman, was the mother of one of Meier's former friends. Meier lived four houses down the street from Drew.

Meier met Drew's daughter while in 7th grade and the two became friends. However, Meier transferred to another school and Meier informed Drew's daughter that she no longer wanted to remain friends.

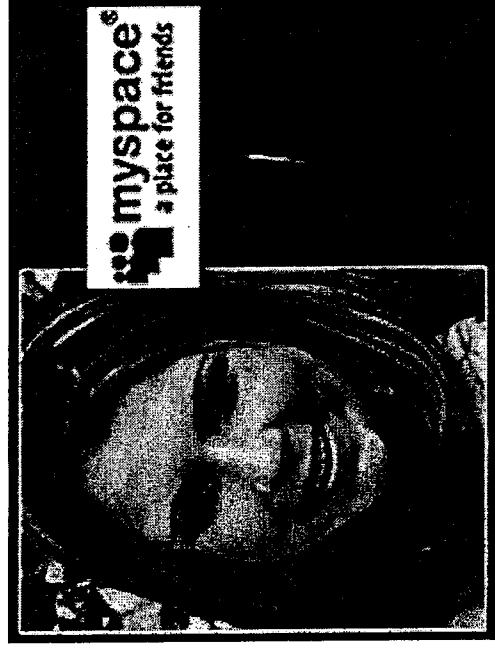
Drew became concerned that Meier was spreading rumors about her daughter and came up with the idea of using a fake MySpace profile for a fictitious 16 year old boy with the alias "Josh Evans" to find out what Meier was saying.



# U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

Drew used the fake MySpace account to contact Meier and begin a flirtatious relationship . Meier believed she was in contact with a 16 year old boy, Josh Evans. Around October 16, 2006, the fictitious Josh Evans told Meier that the world would be a better place without her.

Approximately fifteen minutes after this exchange, Meier's mother, Tina, discovered that her daughter had hanged herself from her bedroom closet. Drew, after hearing about Meier's death, deleted the Josh Evans MySpace account and instructed others who knew about her activities to "keep their mouths shut".





## U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

On May 15, 2008, Lori Drew was indicted on four separate counts. The first count was an allegation of conspiracy arising out of a charged violation of 18 U.S.C. § 371.

The government alleged that Drew and her co-conspirators agreed to violate the CFAA by intentionally accessing a computer used in interstate commerce "without authorization," in "excess of authorized use," and in order to inflict emotional distress in violation of 18 U.S.C. §§1030(a)(2)(c). This count was based on the assertion that Drew violated the CFAA by accessing MySpace servers to obtain information regarding Meier in breach of the MySpace Terms of Service.

On November 23, 2008, Drew filed a motion for acquittal. Judge George H. Wu presided.



## U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

In his opinion, Judge Wu pondered whether an intentional breach of the MySpace Terms of Service could possibly fit the definition of an unauthorized or exceeding authorization access to MySpace computers. He reasoned that such violation could be considered a breach of a contractual agreement.

Ultimately, however, Judge Wu ruled that allowing a violation of a website's Terms of Service to constitute an intentional access of a computer without authorization or exceeding authorization would "result in transforming section 1030(a)(2)(C) into an overwhelmingly overbroad enactment that would convert a multitude of otherwise innocent Internet users into misdemeanor criminals."

For this reason, Judge Wu granted Drew's motion for acquittal.

Government eventually decided not to appeal.



# Complainants and Witnesses

- The knowledge that complainants and witnesses bring to an investigation with regard to social networking can be a valuable source of information to an investigation, but there are potential pitfalls as well.
- Most people access social network sites from the comfort and security of their homes and offices, and the anonymity afforded by this causes them to let their natural defenses down.
- Advise complainants and witnesses to NOT discuss cases on social networking sites.
- Follow the general rule to think very carefully about what you post.



# Use of Social Networking

Use caution in “friending” judges, prosecutors, defense attorneys or others with whom you have or may have a professional relationship.

Posts have a way of coming back to haunt people.





# Working with Facebook

- Convicted sex offenders are prohibited from using Facebook and their accounts will be immediately disabled and all links broken once Facebook is notified; however, notification must be documented in the form of a link to a listing in a national sex offender registry, a link to an online news article, or court document.
- If a Facebook user deletes content from their account, Facebook will not be able to provide that content. Effectively, Facebook and the applicable Facebook user have access to the same content
- Facebook's registered agent for service of process is:  
Custodian of Records, Facebook, Inc  
c/o Corporation Services Company  
2730 gateway Oaks Drive  
Suite 100  
Sacramento, CA 95833



# Working with Facebook

- Facebook is unable to process subpoenas that DO NOT identify users by their Facebook User ID (UID) or email address associated with the account.
  - UIDs can be found in the URL available in a browser displaying the account in question. For example, in the URL: <http://www.facebook.com/profile.php?id=1234567890> the number 1234567890 is the UID.
- Facebook is unable to produce trial or deposition witnesses on user account records; however, Facebook's custodian testimony will accompany the return of any records resulting from a subpoena.
- Facebook reserves the right to notify users prior to responding to any CIVIL subpoena, and to delay any compliance to allow its users to move to quash or otherwise resist a subpoena.



# Working with MySpace

- Information that is collected at sign-up includes: a) email address, b) first and last name, c) country, d) postal code (for US, UK, and Canada only), e) gender, and f) date of birth; however, none of this information is validated so it may not be accurate.
- MySpace requires a subpoena for information such as: a) IP logs (recorded at time of login), b) dates and times of login (PST), c) email address, d) Zip code, e) name, or f) private messages.
- IP address information may not be accurate if the target of an investigation uses a proxy
- MySpace is a free service so administrators do not have street address or credit card information.
- MySpace may disclose private information to law enforcement without a subpoena in limited, emergency situations in which the safety of a member of the public is at risk and there is insufficient time for the law enforcement agency to obtain a subpoena. In these circumstances, MySpace requires the delivery of a signed statement on a law enforcement letterhead certifying the existence of an emergency and all the info that would be required in a subpoena.



# Working with MySpace

- MySpace does not retain information that is altered or removed on an active profile. Once a change is made, existing information is overwritten.
- IP logs are available for up to 90 days after the user's last login.
- User's Inbox information is retained until the user removes them. MySpace cannot recover messages unless it is in another user's Sent Mail. Sent Mail is retained for 14 days.
- Trash Mail is retained for 30 days or less – users can empty their trash at any time, at which time the mail is no longer available.



# Working with MySpace

## ➤ Deleted Accounts

- No mail is available for deleted accounts.
- User ID, IP Address, Login date stamps are retained for up to 90 days after deletion.
- Profile information is available for up to ten days after account deletion.

## ➤ Preserving an account

- MySpace offers that a Letter of Preservation can be faxed to them, but there are caveats:
  - a) Preserved accounts may not be able to log-into the account but they are still publicly viewable,
  - b) MySpace can only preserve a currently active (non-deleted) account, and
  - c) Information in the Sent Mail/Trash Can is still subject to automatic deletion.



# Working with MySpace

- If restricting the user's access to the profile will impede an investigation, investigators can request that private messages be output to a flat file for preservation before a subpoena is served.
- Investigators MUST state the "FriendID" in the subpoena of the account(s) for which information is needed. The FriendID can be located in the web address of the profile in question.

For example, where FriendID is "6221"  
<http://www.myspace.com/index.cfm?fuseaction=user.viewProfile&friendID=6221&Mytoken=20050518161358>

- MySpace can respond to court requested information with approximately a 2-week turnaround
- The preferred way to transmit requested information is via email with an Excel spreadsheet attachment – so specify on the subpoena the email address results can be sent to. MySpace will accept subpoenas delivered by fax or mail.



# Working with MySpace

MySpace can be reached at:

1333 2<sup>nd</sup> Street, First Floor  
Santa Monica, CA 90401  
Phone: 310-917-4949  
Fax: 310-394-4180



# Working with Twitter

- Twitter does not provide multimedia (photos or videos) hosting other than for a user's profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3<sup>rd</sup> party.
- Non-public information about Twitter users will not be released without a subpoena, court order, or other valid legal process document.
- Even though Twitter collects and stores information of users, the information may not be accurate if the user has created a fake or anonymous profile. Twitter does not require email verification or identity authentication.
- Twitter will notify users of requests for their information prior to disclosure unless they are prohibited from doing so by statute or court order.



# Working with Twitter

- Twitter retains different types of information for different time periods.
- Some information may be only stored for a very brief period of time.
- Preservation requests must be signed, include a valid return email address, and sent on law enforcement letterhead delivered by mail or fax
- Twitter can be contacted through:

Email: [lawenforcement@twitter.com](mailto:lawenforcement@twitter.com)

Fax: 1-415-222-9958 attn: Trust & Safety

Mail: Twitter, Inc  
795 Folsom Street  
Suite 600  
San Francisco, CA 94107

IMPORTANT – Only email from law enforcement domains will be accepted.  
All others will be disregarded.



# Module 5



## Utilities and Resources



# Module Objectives

## **Module 5 Learning Objectives:**

Understand key terms and definitions, and various on-line and stand-alone utilities that can be used to locate and harvest social networking information.

## **Lesson Objectives:**

1. Acquaint the Learners with various utilities and resources that are able to locate and extract information from social networking and social media sites as well as from the Internet in general.
2. Acquaint the Learners the functionality and services of utilities and resources, how they operate, and the information they may provide during the legitimate investigation of criminal offenses.



# Terms and Definitions

**Meta Data** - is an ambiguous term which is used to describe "data about data". Metadata is traditionally found in the card catalogs of libraries. As information has become increasingly digital, metadata also includes, but is not limited to:

- ✓ Means of creation of the data
- ✓ Purpose of the data
- ✓ Time and date of creation
- ✓ Creator or author of data
- ✓ Placement on a computer network where the data was created
- ✓ Standards used
- ✓ The basic information of a piece of music, a picture, or file

For example, a digital image may include metadata that describes how large the picture is, the color depth, the image resolution, when the image was created, and other data. A text document's metadata may contain information about how long the document is, who the author is, when the document was written, and a short summary of the document.



# Terms and Definitions

**Web Spiders or Web Crawlers** – are computer programs that browse the Internet in a methodical, automated manner.

Many sites, in particular search engines, use “spidering” as a means of gathering up-to-date data. Web crawlers create a copy of all the visited pages for processing by a search engine. The search engine indexes the downloaded pages to provide faster searches. Crawlers can also be used for harvesting e-mail addresses.

A Web crawler is a type of bot, or software agent, that, in general, starts with a URL to visit and then copies all the hyperlinks and content on that and nested pages.



# Terms and Definitions

**Data Aggregation and Inference** – is a multiple-criteria decision-making operation. Whether in our daily lives or in a professional settings, there are usually multiple conflicting criteria that need to be evaluated when making decisions. For example, in purchasing a car, cost, comfort, safety, and fuel economy may be some of the main criteria we consider.

In our daily lives, we usually weigh multiple criteria implicitly and we may be comfortable with the consequences our decisions that are made based on only intuition.

On the other hand, when stakes are high, it is important to properly structure the problem and explicitly evaluate each criterion. This leads to more informed and better decisions.

Data Aggregation and Inference can be accomplished by just giving a topic good thought, or by automated mathematical computerized models.



# 411.Com (People Search)

http://www.411.com/

Google 411.com - Official



Find a Business Find People Reverse Phone Reverse Address Area & ZIP Codes

## Find a Business

Category or name

Houston, TX

Find

## Find People

First name

\* Last name

City, State or ZIP

Find



# Abika.com (People Search)

Home

Google

Criminal Record, Background...

Help

Abika

Criminal Records Background check Reverse Phone Lookup Driving Records People Search Marriage Records Verify College Degrees Employment Check covers public records

Personality Profiles  
Behavior Background

Search Backgrounds

Doctors, Dentists, Lawyers  
Financial Advisors  
Verify Licenses  
Accountants  
ChildCare Providers  
Dates, Lovers, Spouses  
Home Contractors  
Free Background Checks

Reverse Search  
email address  
Instant Messenger Name  
Track email  
Instant Message

Marriage Records  
Divorce Records  
Search Relatives  
Girlfriends/Boyfriends  
Roommates/Spouses

Search Police Reports  
Accident Reports

Search Assets such as  
Businesses & Stocks

Business Background Check  
Business Credit Reports  
Business Lawsuits, Liens,  
Judgments Lookup

Find address from Latitude Longitude

Search Criminal Records by State, County or Federal  
Nationwide and Worldwide Civil & Criminal records search  
Find criminal & civil cases, judgments, Filing dates, Closing dates, Filing types, Case Numbers, Party Names, Case Summaries, Attorney Names, charges, convictions, felonies, misdemeanors, sentences, Incarceration records, sex offender records, court dockets, dispositions, pending or dismissed cases, lawsuits, verdicts, wants, warrants, Police reports, USA 50 states and Washington DC criminal court records.

Tax Records, Mortgage and Lien Records, Evictions  
Home Values, Property Photos & Sales History

Find tax records including tax assessor (latest tax roll) and transfers (deed transfers), property photos, land & legal info, seller histories, instant property records search, Lookup Liens, claims on property.

Lookup IP Address, Email, Instant Messenger Name, Websites, Domains

Lookup email, Instant Message, IP, city, state, country, longitude, latitude, possible street, Website or Domain Name Background, Domain Name Background, New email or IM Name from old.

Background Checks, Personality Profiles  
Criminal Records, Court Records, Aliases, Education  
Personality traits, Likes, Dislikes, Hobbies,  
Birth Dates, Names or Relatives, Roommates, Neighbors  
Current Address & 30 year history, Police Reports  
Property Ownership, Employment Status, Tax Liens, Civil Judgments

Traffic Violations, License Plate, Driving History  
Trace Cars, Drivers License, Vehicle History Reports

Traffic Violations, Name, Address, License Plate Number, Insurance Status, Driving record, license type, histories, Verify Drivers Licenses.

Monitor your identity, identity theft Protection  
Get daily monitoring of your identity. IDWatch monitors your credit report, address history, aliases, background information and more to help you determine if you are at risk for identity theft and alerts you of any changes in your public records, information in commercial databases and suspicious activity within your identity in real time, before you become a victim of identity theft.

Phone Number Search, Phone Number Lookup,  
Cell Phone, Caller ID & Directory Assistance  
Search telephone, fax, payphone, voip, mobile, cell phone, toll free or pager directories, phone book white and yellow pages worldwide. Phone searches only search publicly available resources.

Verifications  
Verify Employment History  
Verify Income & Salaries  
Verify Education Degrees  
Civil Court Records  
Real Property  
Search Assets and more...  
Verify Immigration & Citizenship  
Verify Social Security Number  
Death Records Search

Search People  
Find Locate Someone

Find Birthday, Friends, Classmates, Relatives, Co-workers Lost Love, ex-spouses, Debtors, Death records, emails, IM's, High School & College Reunions

Find People by First Name or Maiden Name

People search relatives & identify their relationships

Find current & ex-spouses, brothers, sisters, children, parents, grandparents, aunts, uncles, cousins, in-laws, nephews, nieces, grand kids.

Search Ancestors create Family Tree.

Search Birth & Death Certificates, Resumes

Memos, Documents, Signatures  
Medical Records, Political Donations, Retail Sales, Bank Deposits

121



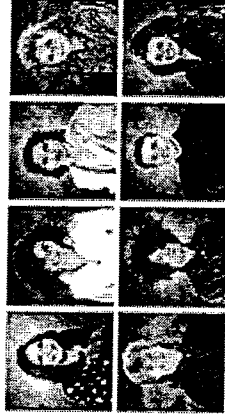
# Classmates.com



**Classmates® is the best way to find old high school friends and browse the biggest collection of yearbooks on the web.**

**I graduated in:**

Alabama	Illinois	Montana	Rhode Island
Alaska	Indiana	Nebraska	South Carolina
Arizona	Iowa	Nevada	South Dakota
Arkansas	Kansas	New Hampshire	Tennessee
California	Kentucky	New Jersey	Texas
Colorado	Louisiana	New Mexico	Utah
Connecticut	Maine	New York	Vermont
Delaware	Maryland	North Carolina	Virginia
District of Columbia	Massachusetts	North Dakota	Washington
Florida	Michigan	Ohio	West Virginia
Georgia	Minnesota	Oklahoma	Wisconsin
Hawaii	Mississippi	Oregon	Wyoming
Idaho	Missouri	Pennsylvania	

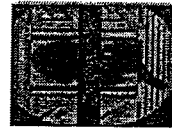


Classmates® is the best way to reconnect with high school friends and browse yearbooks covering more than 30 million people.



Discover how millions of people have reconnected with friends from their high school years. With over 50 million members, we make it easy to discover what other alumni are doing now, get news on your reunion, and share old high school photos.

**Check out yearbooks, schools and alumni on Classmates®!**



**1971 Yearbook**  
Hemet High School  
Meraga, CA



**1962 Yearbook**  
East Greene High School  
Redlands, ND



**1988 Yearbook**  
Biltmore High School  
Atlanta, GA



# MyLife.com

http://www.mylife.com/

Google People Search



[Login](#) | [Sign Up for Free](#)

## Find and stay connected with everyone

Personal & work connections, all in one place

Over 60 million members!



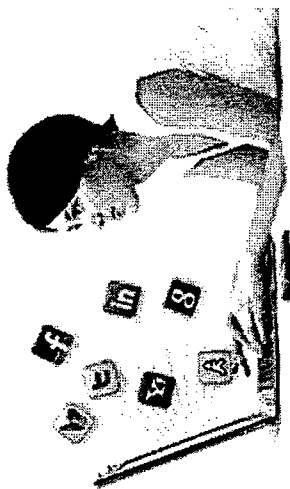
Connect to your Facebook, Twitter and LinkedIn accounts all at once – NEW



Find friends, family members, colleagues and other professionals.



Discover new connections and old friends with Who's Searching for You®



## Who's Searching For You®

[Learn More](#)

Your First Name

Your Last Name

Your Age

Zip Code

Find Out Now

## Find Anyone Now!

Search over 200 million adult profiles instantly.

Their first Name

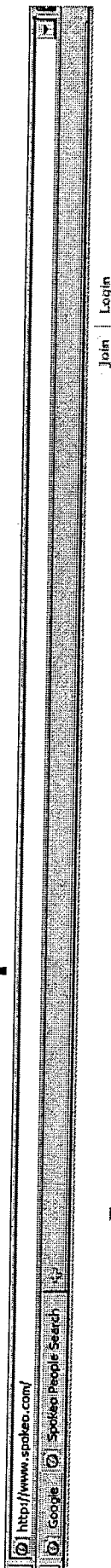
Their last name

Approx. age

View Results



# Spokeo.com

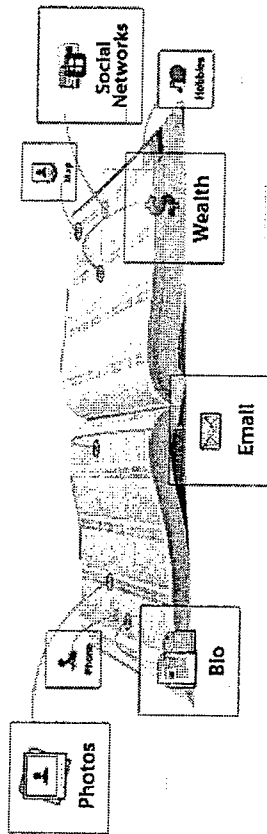


**spokeo**

NAME EMAIL PHONE USERNAME FRIENDS

Enter a first and last name Example: John Doe or Jane Doe, Los Angeles, CA

Not your grandma's white pages.



## What is Spokeo?

Spokeo is a people search engine that organizes vast quantities of white-pages listings, social information, and other people-related data from a large variety of public sources. Our mission is to help people find and

## White Pages Directory

Find people and browse by first name initial:

A	B	C	D	E	F	G	H	I
J	K	L	M	N	O	P	Q	R

## Popular People Searches

1. Joseph Walker
2. Patricia Harris
3. David Robinson
4. Jennifer Harris
5. Thomas Lopez
6. Lisa Williams
7. Michael Johnson
8. Elizabeth Hill



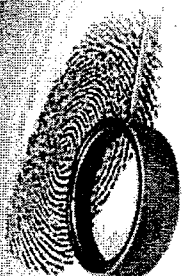
# Web Investigator.org

http://www.webinvestigator.org/

Google Web Investigator.org

**Web Investigator™**  
your online private investigator

[Members Login](#)



**FIND OUT THE TRUTH ABOUT PEOPLE WITHIN MINUTES**  
And investigate what others can know about you...

Why PAY for a private investigator when you can BE an Investigator in 3 minutes? You'll be a pro that can access databases that previously only police departments and federal governments could access.

Please use the form below to start your investigation:

Search By Name

Search By Phone

First Name: \*

Last Name: \*

Approximate Age:

State: \*

Nationwide

Search Now

\* Required fields

- Unlimited Inmate Searches
- Unlimited Background Searches
- Unlimited People Searches
- Unlimited Sex Offender Searches
- Unlimited Criminal Searches

## With Webinvestigator you can:

- ☒ Search over 225,000,000 U.S. residents - FAST!
- ☒ Get Access to over 300 Million Criminal Records - Arrests, Warrants, Misdemeanors, Felonies
- ☒ Access over 1 billion Public Records - All conveniently located in our exclusive MEMBERS site
- ☒ Get Data from Public and Private Sources - no more hours of surfing hundreds of sites
- ☒ Information on 90% of US residents - super odds you're going to find that certain person
- ☒ Perform Unlimited Phone Searches - save time - and stop prank calls
- ☒ Perform Unlimited Background Checks - Addresses, Phones, Incomes, Property, Criminal Records and more!
- ☒ Search Arrest and Warrants - Database is updated weekly
- ☒ Unlimited Access to Vital Records - Marriage, Divorce, Birth and Death Records
- ☒ Search Inmate and Felony Records - Search through millions of State and Federal inmates
- ☒ Find Property Records - Neighbors yards full of junk? Need to find the owners of the property?



# Wayback Machine (Archive.org)

Browse through over 150 billion web pages archived from 1996 to a few months ago. To start surfing the Wayback Machine, type in the web address of a site or page where you would like to start, and press enter.

Then select from the archived dates available.

The resulting pages point to other archived pages at as close a date as possible.

Archive.org is dedicated to preserving web-based content, including web pages, moving images, texts, audio, and software. All of the content is free.



# Wayback Machine (Archive.org)

Wayback Machine

Internet Archive

Search:

All Media Types

Google

Internet Archive

Web Moving Images Texts Audio Software Patron Info About IA Project

Forum | FAQ | Contributions | Jobs | Donate

Universal access to all knowledge

Upload

Announcements (page 1)

Thank you Friends of the SF Public Library for 130,000 books  
3 Million Texts for Free  
Understanding 9/11: A Television News Archive

Web

150 billion pages

http://

Take Me Back

more info

Live Music Archive

94,201 concerts

Grateful Dead Live at Denver Coliseum on...  
Set 2 Trucker -> The Other One -> Mind Left  
Body Jam -> Stella Blue

Grateful Dead Live at Capitol Theater on 1977-04-26

Average rating: ★★☆☆

Moving Images

318,305 movies

Delicious Dishes  
Delicious Dishes

Tango Fatal

Average rating: ★★☆☆

Texts

3,090,092 texts

Lapponia, id est, regionis Lapponum...  
descriptio  
20 cm

fathy el sify

Average rating: ★★☆☆☆☆

Audio

1,026,801 recordings

Saint Aidan's Episcopal Church

The Rev Mary Kate Schroeder

The Cataracts -- Bass Down Low [f. Dev]

Average rating: ★★☆☆☆☆

Most recent posts (write a post by going to a forum) more

Re: Catch of the Day (and Aslans on a Pin)

Re: Catch of the Day (and Aslans on a Pin)

Re: TDJH 1970 Capitol Theater, Port Chester NY

PD films of 1946

Re: OWS Issues - Koch Bros suppressing Voters Rights

Re: Catch of the Day (and Aslans on a Pin)

wisconsindead

SomeDarkHollow

deyzof49

laongleam

dead-head\_Monta

robthreewordsmith

GratefulDead

GratefulDead

GratefulDead

feature\_films

occupywallstreet

GratefulDead

0

0

0

0

0

2

26 minutes ago

26 minutes ago

33 minutes ago

49 minutes ago

1 hour ago

1 hour ago

127



# WebReaper

WebReaper is web crawler or spider, which can work its way through a website, downloading pages, pictures and objects that it finds so that they can be viewed locally, without needing to be connected to the internet. The sites can be saved locally as a fully-browsable website which can be viewed with any browser (such as Internet Explorer, Netscape, Opera, etc), or they can be saved into the Internet Explorer cache and viewed using IE's offline mode as if the you'd surfed the sites 'by hand'.

To use WebReaper, simply enter a starting URL, and hit the Go button. The program will then download the page at that URL, parsing the HTML as it goes, looking for links to other pages and objects. It will then extract this list of sub-links and download them. This process continues recursively until either no more links fulfill WebReaper's filter criteria or your hard disk becomes full - which ever happens first!

The locally saved files will have their HTML links adjusted so that they can be browsed as if they were being read directly from the internet.



# WebReaper

www.dilbert.com - WebReaper

File View Link Filter Window Help

www.dilbert.com

1: Requesting http://www.dilbert.com/comics/dilbert/about/html/linkicons.html...  
 2: Requesting http://www.dilbert.com/comics/dilbert/aboutdz/html/faq\_site.html...  
 3: Requesting http://www.dilbert.com/comics/dilbert/animations/index.html...  
 4: Received response

URL Title Size Type Status Last Modified

Dilbert.com - The Official Dilbert Website b...	49.0...	text/html	Complete	2006/2001 10:0...	S...
ad.doubleclick.net/ad/dilbert.com/sponsor-...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/dilbert.com/sponsor-...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/dilbert.com/spons...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/dilbert.com/spons...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/www.dilbert.com/...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/www.dilbert.com/...	n/a		Skipped	n/a	F...

Status: HTTP\_STATUS\_NOT\_FOUND - http://www.dilbert.com/+rag\_b+  
 Status: HTTP\_STATUS\_NOT\_FOUND - http://www.dilbert.com/OpenMediaWindow("/comics/dilbert/popup\_0401.html")return(false)  
 Status: HTTP\_STATUS\_SERVER\_ERROR - http://www.dilbert.com/bin/Form\_processor/form\_processor.cgi

Enter a URL to start crawling

0b/sec 45 pending 4 threads No time limit.



# FOCA

FOCA is a tool that allows you to find out more about a website by analyzing the metadata in any documents on it.

The process is surprisingly easy. Simply point FOCA at your website, click the Search All button, and FOCA will display all the PDF, Microsoft Office, Open Office and other documents on the site that have been indexed by the popular search engines.

Then, in a couple of clicks, you can have FOCA download these documents, extract their metadata, and summarize the results in a simple report. Exactly what might be exposed depends on the documents, what was used to create them, and how well they've been cleaned, but commonly you'll see user names, network folders, printer names, email addresses, details on the software that was used to create the files, and more.



# FOCA On-Line (informatica64.com)

http://www.informatica64.com/foca/

Google FOCA Online



## FOCA Online

Informática 64  
Desarrollo y Consultoría

This application does not store uploaded files or their content either.  
The only information stored is targeting statistic objectives.

Informática 64



Download FOCA



OOMetaExtractor

Informática 64

www.informatica64.com

### Supported Extensions:

.doc .ppt .pps .xls .docx .pptx .ppsx .xlsx .sxw .sxc .xsl .odt  
.ods .odg .odp .pdf .wpd .svg .svgz .jpg

Browse...

Analyze File!



Show FOCA statistics



# FOCA Stand-Alone

Buy the new T-Shirt

Attribute

All printers found (47) - Times found

Attribute	Value
\\bbcp2003\337304-TCRNe01\winspoolHP LaserJet 4050 Series PCL	1
PR8545\WC1BURP04\PR8544-BUHP8F0420HP LaserJet 4100 PCL 6	2
\\bbcp2015\S028497-MCNe05\winspoolHP LaserJet 4250 PCL 6	2
\\bbcp2004\L426447AcNe00\winspoolHP LaserJet 4200 PCL 6	2
\\bbcp2007\national.core.bbc.co.uk\L382243-TCNe06\winspoolHP LaserJet 4100 PCL 5e	2
\\bbcp6002\S049352-EX\Spot_Media\6220\Ne03\winspoolHP LaserJet 4250 PCL 6	1
\\bbcp2015\N001576-8CNe02\winspoolHP LaserJet 4050 Series PCL 6	1
\\bbcp2006\S009173-TVC-EX (6070)\Ne04\winspoolHP LaserJet 4250 PCL 6	1
\\bbcp2002\PR8673-buNe00\winspoolHP LaserJet 4100 PCL 6	1
\\bbdfs5003\341984-cwrNe01\winspoolHP LaserJet 4050 Series PCL 6	1
\\bbcp7004\S036108-PQNe06\winspoolHP LaserJet 4250 PCL 6	1

Time

11:46:15

11:46:15

11:46:16

11:46:16

11:46:17

11:46:17

Source

Metadata Search

Metadata Search

Metadata Search

Metadata Search

Metadata Search

Metadata Search

Severity

low

low

low

low

low

low

Message

Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\ahbeck\_solar\_activity (1).pdf

Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\catchphrase-lesson-98 (1).pdf

Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\inar (1).pdf

Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\csr\_report\_2009\_2010 (3).pdf

Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\RTNAB98 (1).PDF

Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\viewletter\_122.pdf

Conf

Deactivate AutoScroll

Clear

Save log to File

All documents were analyzed



# Firesheep

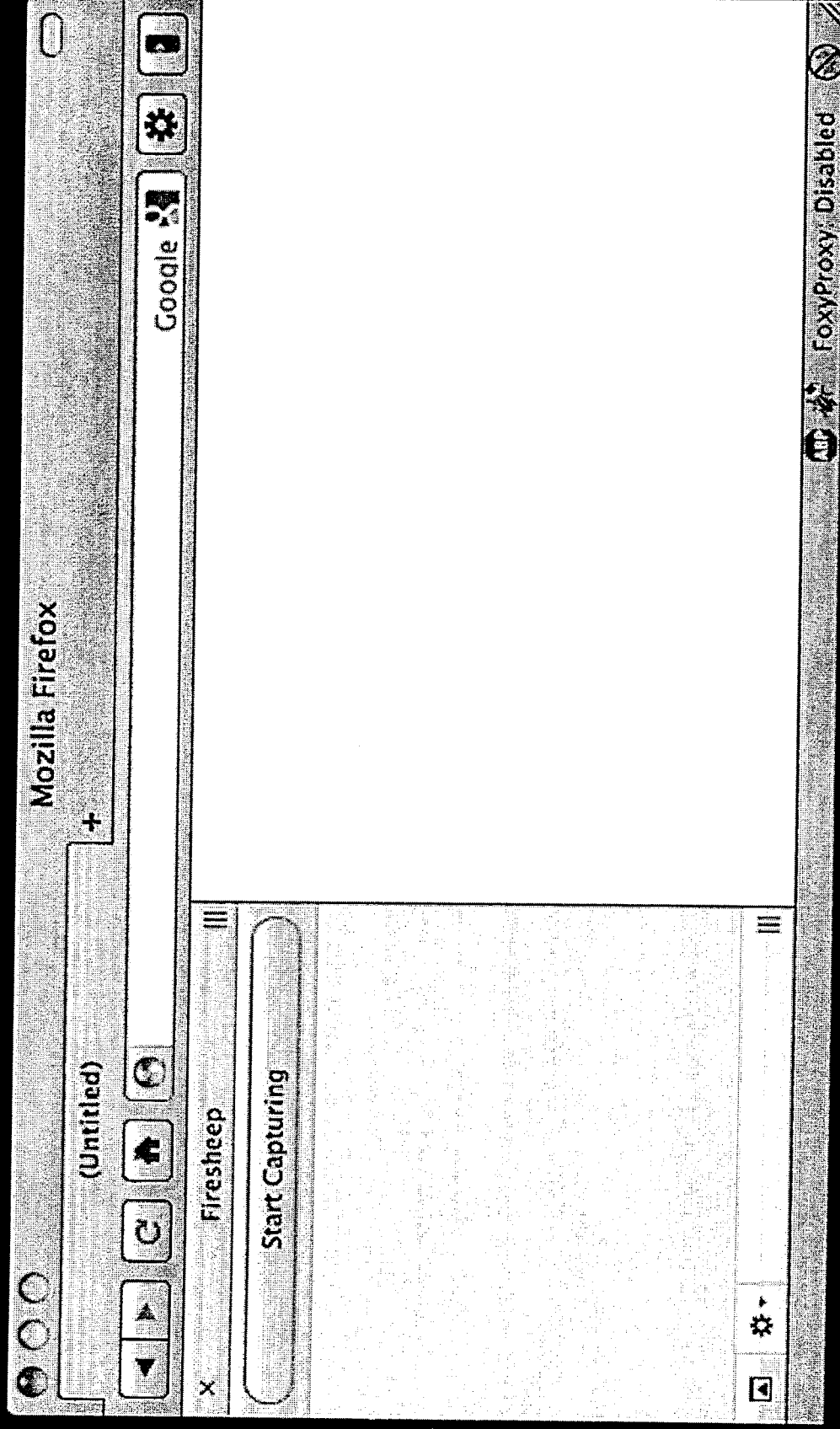
When logging into a website you usually start by submitting your username and password. The server then checks to see if an account matching this information exists and if so, replies back to you with a "cookie" which is used by your browser for all subsequent requests.

It's extremely common for websites to protect your password by encrypting the initial login, but surprisingly uncommon for websites to encrypt everything else. This leaves the cookie (and the user) vulnerable. HTTP session hijacking (also called "sidejacking") is when an attacker gets a hold of a user's cookie, allowing them to do anything the user can do on a particular website. On an open wireless network, cookies are basically shouted through the air, making these attacks extremely easy.

Firesheep, a Firefox extension, is designed to demonstrate just how serious this problem is. After installing the extension you'll see a new sidebar. Connect to any busy open WiFi network and click the big "Start Capturing" button. Then wait. As soon as anyone on the network visits an insecure website known to Firesheep, their name and photo will be displayed. Double-click on someone, and you're instantly logged in as them.

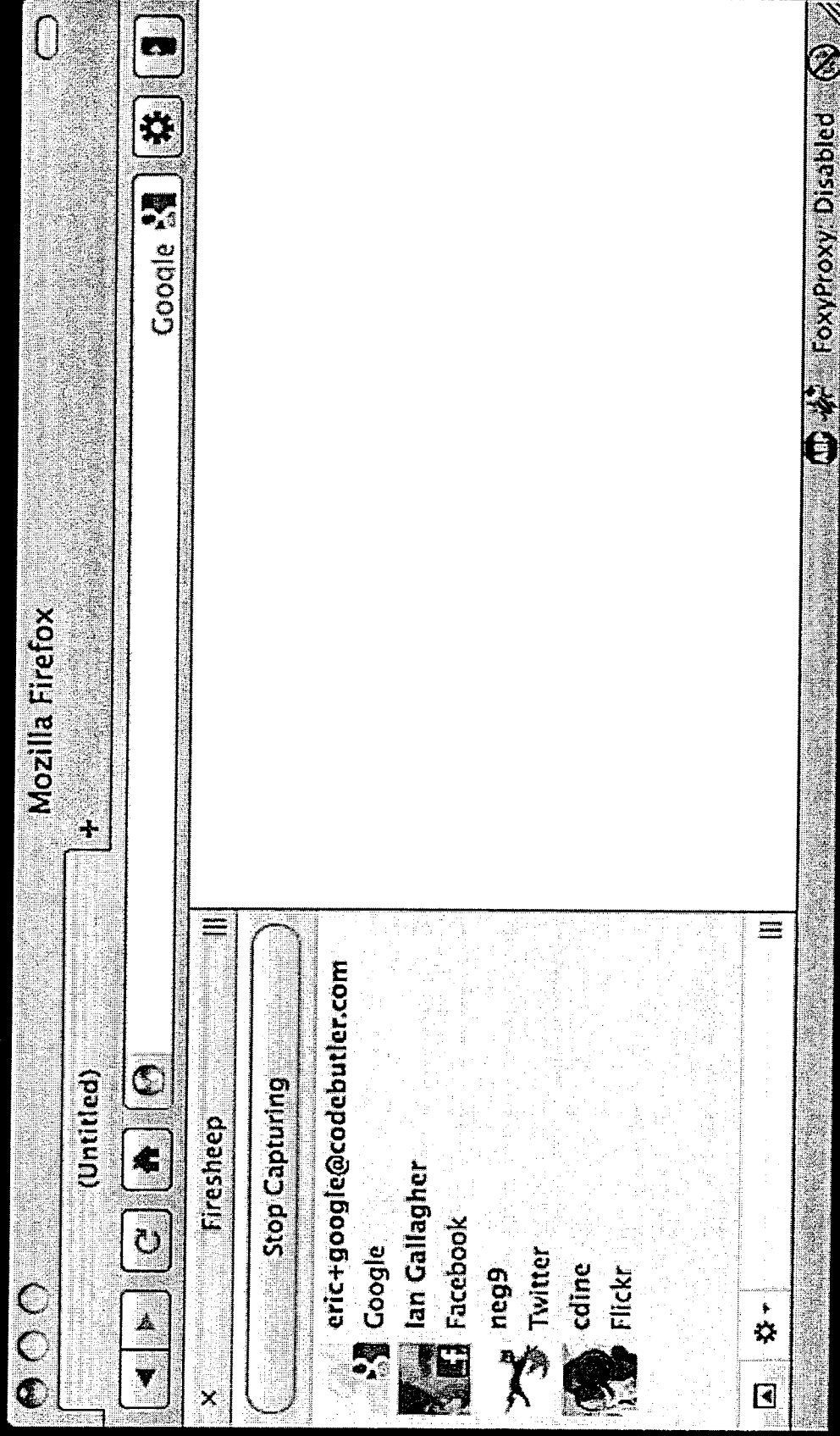


# Firesheep



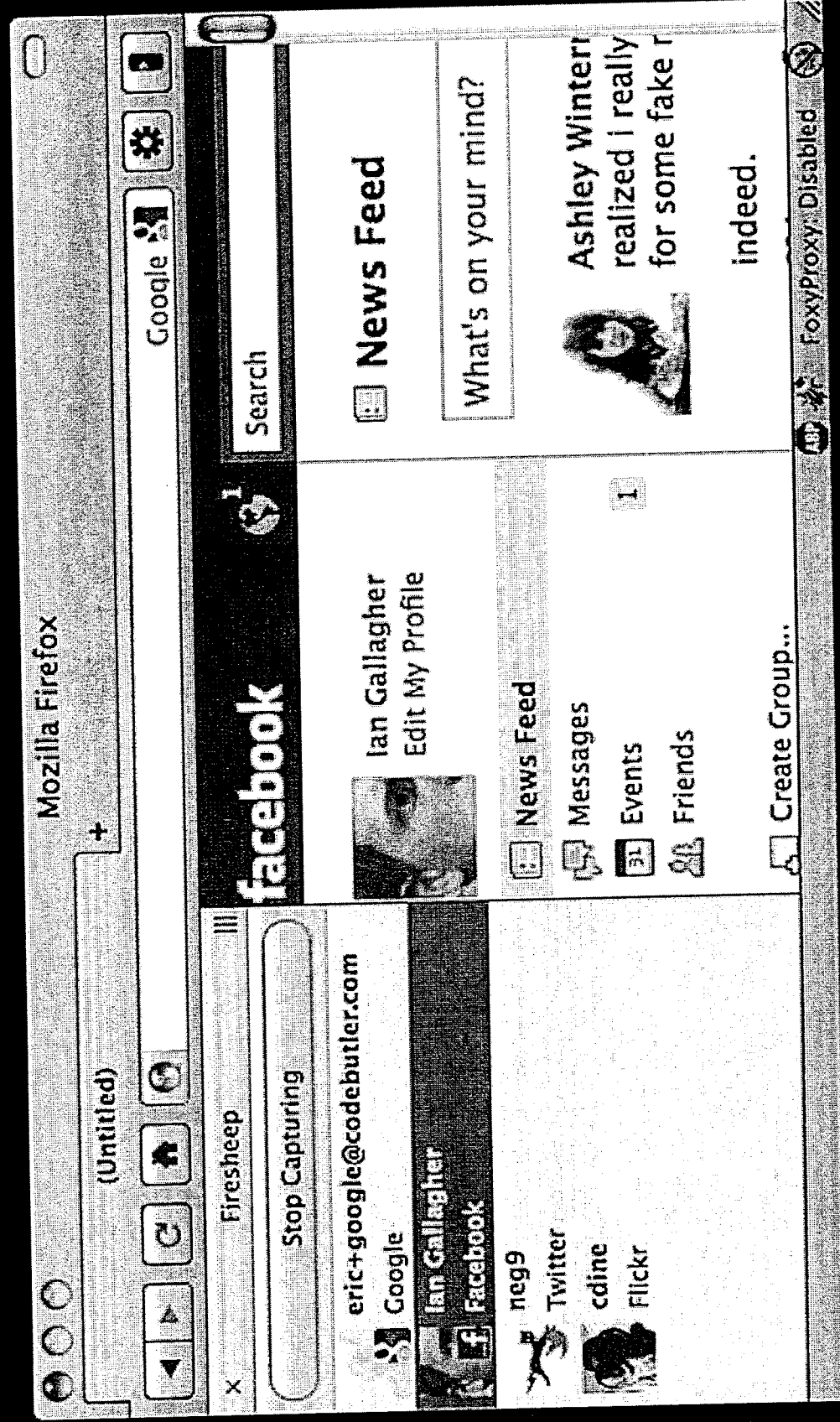


# Firesheep





# Firesheep





# FBpwn

FBpwn is a Java-based Facebook profile dumper. It sends friend requests to a list of Facebook profiles, and polls for the acceptance notification. Once the victim accepts the invitation, it dumps all their information, photos and friend list to a local folder.

A typical use scenario is to gather information from a user profile. Available plugins are just a series of normal operations that any Facebook user could manually do. FBpwn just automates the process to increase the chances of you getting the info.

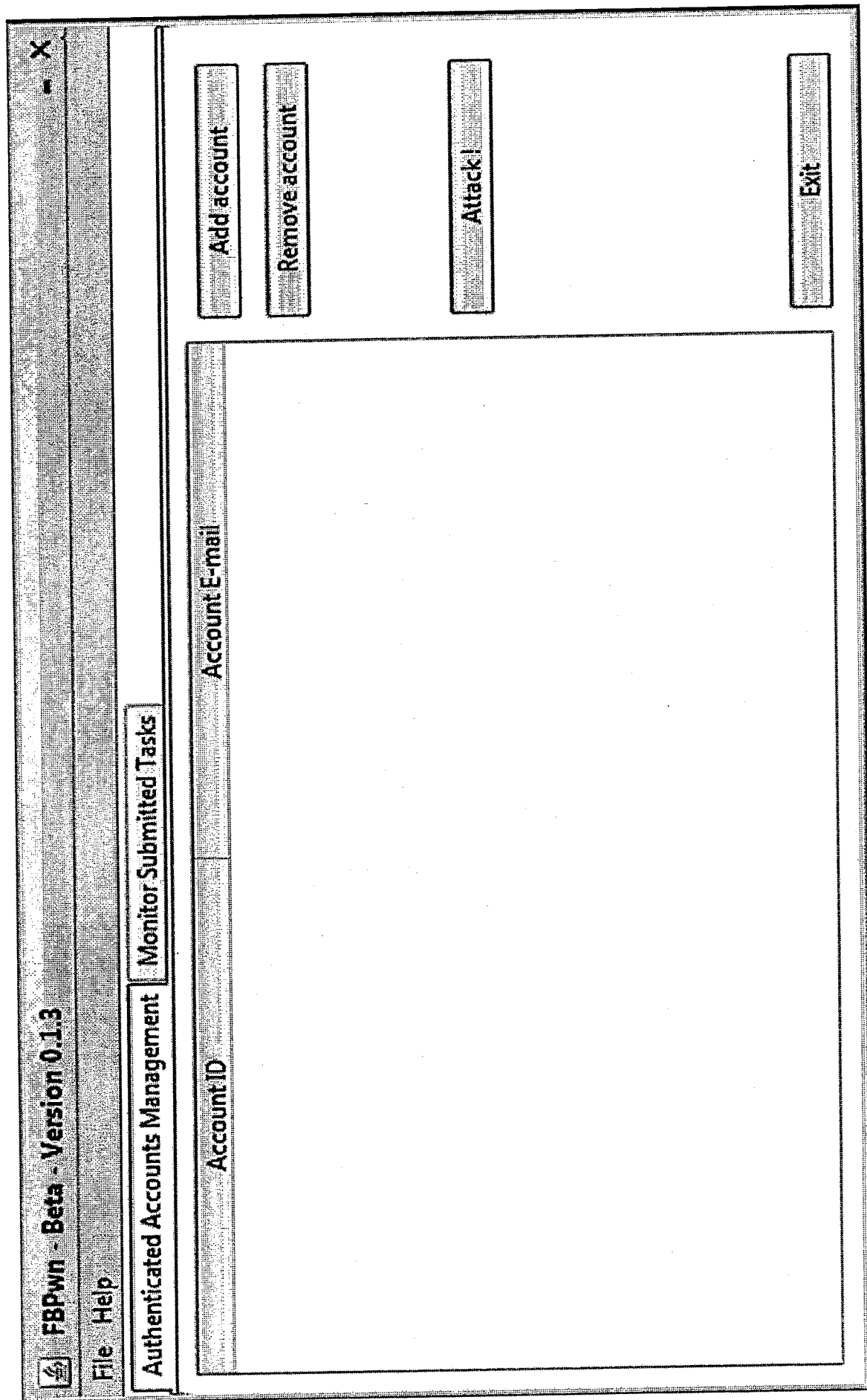
Typically, first you create a new blank account for the purpose of the project. Then, the “friending” plugin works by adding all the friends of the victim (so you have some common friends). Then the “cloning” plugin asks you to choose one of the victims friends. It will only display the picture and name of the chosen friend in authenticated account you created.

Afterwards, a friend request is sent to the victim's account. The dumper waits for the friend to accept. As soon as the victim accepts the request, the dumper saves all accessible HTML pages (info, images, tags, ...etc) for offline examining.

After a few minutes, the victim will probably “unfriend” the fake account after he/she figures out it's a fake, but it's too late.



# FBPwn





# FBpwn

X

Add new authenticated account

Username:

Password:

Login

Cancel



# FBpwn

Add a new task

X

Friend URL:

Launch Attack

Output directory: J:\DataBase\FBPwn-beta-0.1.3\FBPwn-beta-0.1.3

Browse

Polling Time

0

sec(s)

Selected modules

Available modules

AddVictimsFriends

CheckFriendRequestTask

DumpFriendsTask

DumpImagesTask

DumpInfoTask

DumpThumbnailImagesTask

ProfileClonerTask

→

←


↑

↓

Cancel



# FBpwn

 **FBPwn - Beta - Version 0.1.3**

File

Help

Authenticated Accounts Management

Monitor Submitted Tasks

Authenticated Profile	Target Profile URL	Module	Status	Progress	State
[REDACTED]	https://www.facebook...	Check friend request	RequestAccepted	<div><div>100%</div></div>	Finished
[REDACTED]	https://www.facebook...	Dump all photos	Dumping Album1/2	<div><div>18%</div></div>	Running
[REDACTED]	https://www.facebook...	Dump all photos	Pending	<div><div>0%</div></div>	Waiting
[REDACTED]	https://www.facebook...	Dump profile info	Pending	<div><div>0%</div></div>	Waiting

Remove Finished

Remove Task

Cancel Task

Exit



# Cree.py

Cree.py is a Python-based application that uses geo-location data from social networks and image hosting services to build a minute by minute time line of a person's movements.

The tool was not created to assist stalkers, but to make people think twice about opting-in to geo-location features on Twitter and similar social networking sites.

Cree.py can currently retrieve information from all variants of Twitter's tweet location information, geo-location data from image hosting services or EXIF tags in photos posted. It currently supports Twitter and re-tweeted Foursquare check-ins and is able to access photos on Flickr, Twitpic, Yfrog, Img.ly, Plixi, Twittrpox, Foleext, Shozu, Pickhut, Moby.tu, Twitsnaps and Twitgoo and extract their EXIF tags.

It then presents the results through a desktop GTK+ application using maps from Google, Virtual Maps or Open StreetMap.



# Cree.py

Creepy Edit Help


Targets Map View

Fill in the details for your targets or use the search function below

Twitter Username


Flickr UserID

Geolocate Target



Search for: amybeth [redacted] Search Clear

Screen Name Full Name Photo



Search for: Search Search for real name Clear

Username Full Name Location Photo



# Cree.py

Creepy Edit Help

Targets Map View

Fill in the details for your targets or use the search function below


Twitter Username

res██████████s

Flickr UserID

(XXXXXXXXXX@XXX)

Geolocate Target



Use the form below to search for twitter users if necessary

Search for: Amybeth████

Search

Clear


Screen Name


Full Name


Photo

re██████████ss Amybeth████

amybeth111 amy████







Use the form below to search for flickr users if necessary

Search for:

Search

Search for real name

Clear

Username

Full Name

Location

Photo



# Cree.py

Cree.py location creeper

Creepy Edit Help

Targets Map View

Latitude	Longitude	Time
47.609721	-122.333611	2011-0
47.609721	122.333611	2011-0
48.735082	-122.470592	2011-0
48.735082	122.470592	2011-0
48.735082	-122.470592	2011-0
48.752714	-122.469411	2011-0
48.752714	122.469411	2011-0
48.748054	-122.480199	2011-0
47.70574746	-122.3264122	2011-0
47.7057474635	122.326412201	2011-0
47.44361756	-122.30255127	2011-0
47.4439149	122.3020195	2011-0
40.64512192	-73.78349304	2011-0
40.6451219184	73.783493042	2011-0
40.7374776	-74.0309093	2011-0

nl





# Module 6





# Module Objectives

## **Module 6 Learning Objectives:**

Understand how industry-wide plans for Federated Identity services, changing Terms of Service, and enhanced Privacy Policies will impact investigations, as well as understand the various unresolved issues that law enforcement officers need to be aware of.

## **Lesson Objectives:**

1. Acquaint the Learners with Federated Identity services planned by the major service providers.
2. Acquaint the Learners with the importance of considering Terms of Service and Privacy Policies of social networking sites.
3. Acquaint the Learners with various unresolved issues related to when, how, and why law enforcement officers can use social media in investigations.



# Federated Identity

- Social networking sites are increasingly developing hybrid functions and moving toward federated identity schemes such as OpenID and Facebook Connect.
- Facebook, MySpace, Yahoo! And Google all have projects underway to act as Identity Authenticators – moving to a Single Sign-In model where a user can log-into Facebook using Google credentials.
- If attribution of activity is necessary, must determine the identity provider



# Terms of Services & Privacy Policies

- Social networking sites have extensive terms of service and privacy policies. Most of the policies are undergoing intense scrutiny by privacy advocates and are adapting in a way that may not favor law enforcement.
- Most sites permit emergency disclosure of information to law enforcement without a need for a warrant, but most sites have very brief windows of opportunity to capture information after it is deleted or modified by the user.
- All sites specify exceptions to respond to legal process and protect the service against fraud or damage, but recovery of information is extremely time and activity sensitive.
- U.S. v. Drew – Can failure to follow Terms of Service render access unauthorized under 1030? Employment policy cases tend to say “yes” but there are concerns that Terms of Service could transform into a privately-managed criminal code for site misconduct



# Unresolved Issues

- A difficult issue for Defense Attorneys is whether anything can or should be done about existing, harmful information that a client has posted on a social networking site. Even if law enforcement can retrieve the information, the fact that it existed and was destroyed could be interpreted as an attempt to obstruct justice by deleting incriminating information during a pending investigation.
  - U.S. v. Wortman, 488 F 3d 752 (7<sup>th</sup> Cir. 2007) involved a defendant that was convicted of obstruction of justice for destroying incriminating evidence that belonged to her boyfriend after learning that he was under investigation by the FBI
- Social networking companies tend to cooperate with law enforcement's requests for information but defense requests are frequently opposed. This may be nice for us but the courts will eventually move to level the playing field if social networking companies don't find a balance.



# Unresolved Issues (continued)

- Thorny ethical and legal issues can arise if, during an investigation of a social networking site, law enforcement acts untruthfully, uses third parties to access information, or uses a fictitious identity to obtain information.
  - The best rule of thumb is to stay within the Terms of Service of each social networking site.
- Griffin v. State, 2010 WL 2105801 (Md. May 27, 2010) discusses in detail the authentication of evidence from social networking sites but the requirements and methods have not been fully tested through the courts
  - One court has held that defense counsel's failure to investigate and pursue evidence from social networking sites could be ineffective assistance of council (see Cannedy v. Adams, 2009 WL 3711958 (C.D. Cal. Nov. 4, 2009)).
- If defense attorneys are obligated to investigate social networking leads, why aren't we?



# Module 7



## Review and Q/A



# Module Objectives

## **Module 7 Learning Objectives:**

Understand the key points of today's lecture, and be able to put the provided information to use and action in criminal investigations involving evidence from social networking sites.

## **Lesson Objectives:**

1. Bring into focus the main points of today's presentation.
2. Place emphasis on key concepts which the Learners will need to obtain and use evidence from social networking sites.



# Introduction to Social Networking Sites

## **We talked about:**

- ✓ What social networking is
- ✓ Various types of social networking sites
- ✓ The most popular social networking sites
- ✓ Where people share information
- ✓ How people manage their accounts
- ✓ What police departments use sites for
- ✓ Utility of social networking information
- ✓ What types of information to look for



# Overview of Key Social Networking Sites

## **We talked about:**

- ✓ Social networking sites and characteristics
- ✓ Screenshots of sites and site features



# Case Studies and Review of Successful Investigations

## **We talked about:**

- ✓ Outside (non-HPD) investigations
- ✓ HPD investigations aided by social networks



# Capturing Evidence and Working with Site Administrators

## **We talked about:**

- ✓ Reactive versus proactive investigations
- ✓ Site visualizers
- ✓ pipl people search site
- ✓ Printkey for screen capture
- ✓ Screen Recorder for video capture
- ✓ Considerations for undercover investigations
- ✓ U.S. v. Lori Drew- Terms of Service
- ✓ Complainants, witnesses, and police use
- ✓ Working with social network providers



# Utilities and Resources

## **We talked about:**

- ✓ Metadata
- ✓ Web Spiders
- ✓ Data Aggregation and Inference
- ✓ Various people search sites
- ✓ Various information search sites
- ✓ Data harvesting tools
- ✓ When and where these tools are appropriate



# Additional Legal and Practical Issues

## **We talked about:**

- ✓ Federated Identification plans
- ✓ Terms of Service
- ✓ Privacy Policies
- ✓ Unresolved Issues

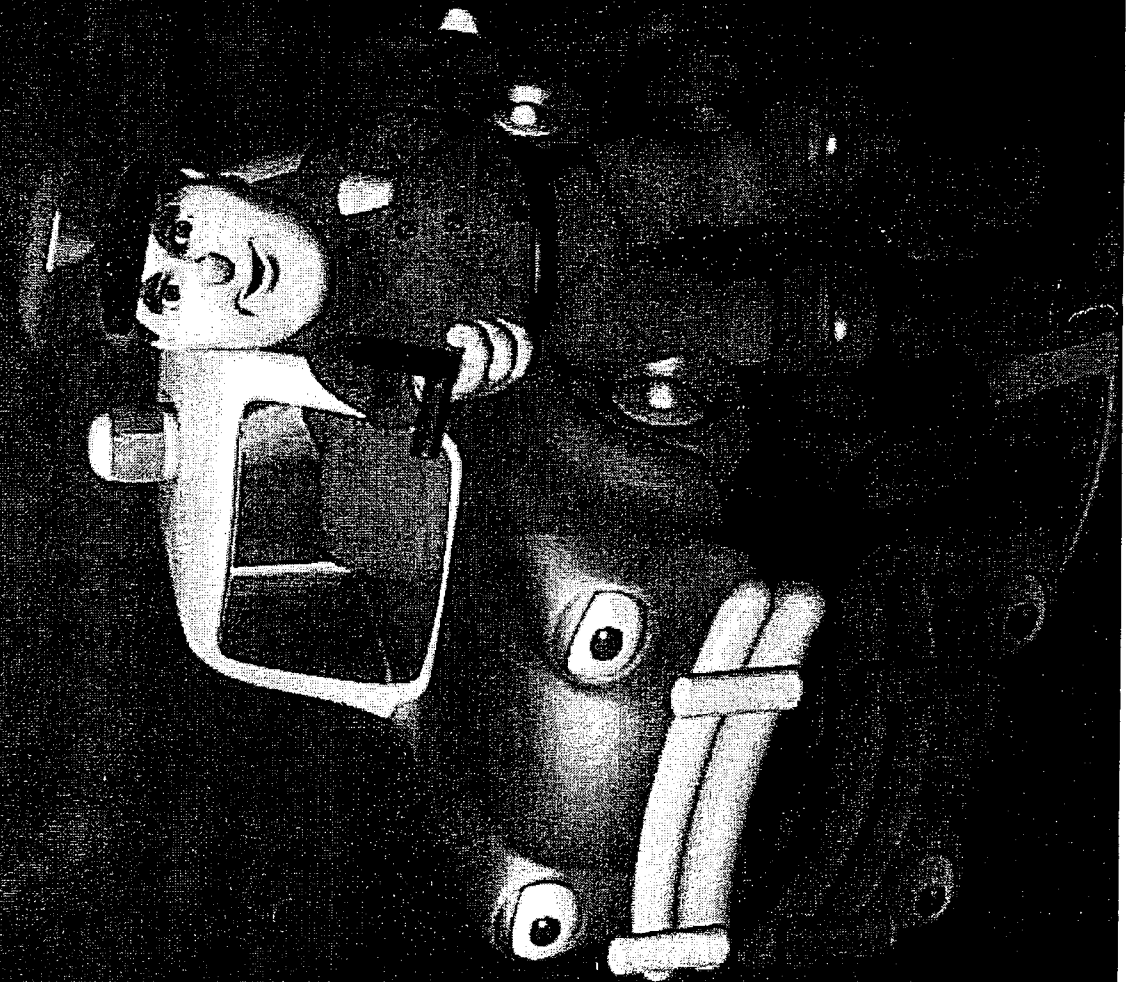


# References

- 1) Facebook – <http://www.facebook.com>
- 2) Facebook Statistics - <http://www.facebook.com/press/info.php?statistics>
- 3) MySpace – <http://www.myspace.com>
- 4) Twitter – <http://www.twitter.com>
- 5) LinkedIn – <http://www.linkedin.com>
- 6) WordPress – <http://www.wordpress.com>
- 7) Social Networking Visualization Tools – <http://www.lococitato.com>
- 8) Social Media Usage - <http://mashable.com/2010/03/19/global-social-media-usage/>
- 9) Connected Cops Social Media handbook - <http://connectedcops.net/?p=5013>
- 10) How to Capture a MySpace Page for Investigative Purposes  
By: Lauren Wagner and Keith Daniels  
SEARCH, National Consortium for Justice Information and Statistics Jan. 2008  
[www.search.org](http://www.search.org)



# Questions









**Houston Regional Intelligence Service Center (HRISC)**  
**Memorandum of Understanding**

This Memorandum of Understanding (MOU) is entered into by the Houston Police Department and the below listed agencies, and outlines participation in the Houston Regional Intelligence Service Center (HRISC). The listed agencies hereafter referred to as "participant agencies," jointly and severally agree to abide by the terms and provisions of this MOU throughout its duration. In order to ensure aggressive capability to prevent, detect, respond and recover from a terrorist act, the Houston/Harris County region has established a regional intelligence service.

The Harris County Sheriffs Department (HCSO)  
The Texas Department of Public Safety (DPS)  
The Metropolitan Transit Authority Police (METRO)

**Purpose:**

The purpose of this Memorandum of Understanding is to set out a common understanding and agreement of the policies and procedures that participant agencies will follow in providing a regional counter-terrorist and criminal intelligence service in the furtherance of protecting the lives and property of the citizenry. This Memorandum of Understanding is not intended to be legally binding on any of the signing parties of this document.

**Mission:**

The mission of the Houston Regional Intelligence Service Center (referred hereafter also as the "Center") is to provide continuous security to our region by gathering, developing and sharing intelligence into the capabilities, intentions, and actions of terrorist groups and individuals which pose a threat to our populace and region.

**Organization - Chain of Command**

• **Personnel**

Personnel assigned to the captioned Center will consist of a combined body of members who are assigned or attached to, or are in active association with, the Houston Regional Intelligence Service Center.

Members shall be considered as full time participants in the Center if they spend at least sixty percent of their effort towards the Center's mission and are physically collocated at the Center. Members shall be considered as Associates if they contribute to the mission of the Center and are virtually or electronically collocated with the Center.



- **Direction of the Houston Regional Intelligence Service Center**

All participants, acting as equal partners, acknowledge the mission of the Houston Regional Intelligence Service Center, and will work in concert towards fulfillment of the mission. The policy, program involvement, and direction of the service shall be the responsibility of the Chief of Police of the Houston Police Department or his designee who will coordinate with the designated members of the participating agencies.

- **Operational Oversight & Supervision**

General supervision of the personnel assigned to the Houston Regional Intelligence Service Center will be the responsibility of the participating agencies. Day to day supervision and operational oversight, however, of the intelligence service and its direction, shall be with a Houston Police Department supervisor who will act as the administrative coordinator of the center.

The responsibility for the conduct of individuals assigned to the center remains with their respective agency.

- **Operational Personnel**

The Houston Police Department initially agrees to assign four (4) officers to the Center, as well as provide positions for one or more officers/agents from the participating agencies. Full participating agencies will provide, at a minimum, one officer or agent or member full time to the service center. The Houston Police Department will also provide positions for a minimum of two analysts within the Center. Associate participants will designate a contact person within their agency to liaison and interact with the Center.

- **Office Space, Equipment, Vehicles, Overtime**

The Houston Police Department agrees to provide office space, equipment and supplies, to carry out the administrative operation of the Houston Regional Intelligence Service Center. Additional equipment required by an agency will be the responsibility of that agency.

Vehicles and overtime will be the responsibility of each individual agency pursuant to their policies.



## **Procedures**

- **Compliance with Regulations**

The Houston Regional Intelligence Service Center, and the personnel assigned there, will operate in compliance with federal regulations regarding intelligence, specifically 28 CFR Part 23 et al.

The Houston Regional Intelligence Service Center shall develop procedural guidelines to ensure operational and informational security as well as to provide for the effective and efficient operation of the Center.

- **Assignment of Personnel**

Personnel assigned to the Center will be assigned matters and duties related to the mission of the Intelligence Center. Continued assignment of members will be based upon performance, and will be at the discretion of the respective participating agencies in coordination with HPD.

- **Information Exchange & Intelligence Sharing**

Participating agencies agree to exchange and share information to the Center in furtherance of its mission; connectivity back to the participant agency's information, database, data warehouse is required.

In order to ensure the rights of innocent citizens are not abridged, all intelligence products and intelligence sharing shall adhere to the rules in keeping with 28 CFR Part 23 et al and the "need to know/right to know" standard. To prevent compromise of intelligence products produced, access and dissemination will be controlled and all intelligence products produced will be labeled "Law Enforcement Sensitive, For Official Use Only."

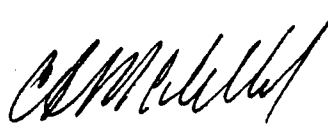
## **Amendments to this MOU**

If the signatory parties agree, this MOU may be amended at any time in the future to include additional participating agencies.

## **Duration**

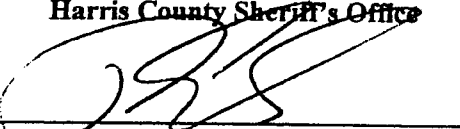
There is no limit as to the term of this Memorandum of Understanding. However, any party wishing to terminate participation may do so by providing written notice to the other parties of their intent to withdraw from this agreement.

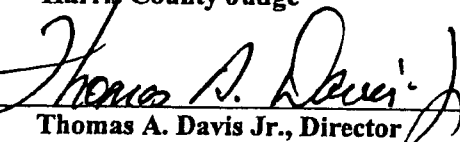


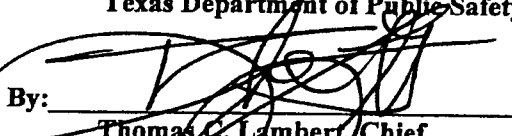
 11-15-06  
By: C. A. McClelland, Date: \_\_\_\_\_  
Acting Chief of Police

Harold L. Hurtt, Chief of Police  
Houston Police Department

 Date: 12-15-06  
By: \_\_\_\_\_  
Tommy Thomas, Sheriff  
Harris County Sheriff's Office

 Date: 2/06/2007  
By: \_\_\_\_\_  
Honorable Robert Eckels  
Harris County Judge

 Date: 2-9-07  
By: \_\_\_\_\_  
Thomas A. Davis Jr., Director  
Texas Department of Public Safety

 Date: 12-20-06  
By: \_\_\_\_\_  
Thomas C. Lambert, Chief  
Metropolitan Transit Authority Police Department